SUPPLEMENT to the FLORA OF LINCOLNSHIRE

LINCOLNSHIRE NATURALISTS' UNION

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THE FLORA OF LINCOLNSHIRE

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SUPPLEMENT TO THE FLORA OF LINCOLNSHIRE

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PREFACE

This Supplement to The Flora of Lincolnshire (E. J. Gibbons 1975) covers records received during 1974-1984. The records relate to the historic county of Lincolnshire (now Lincolnshire and South Humberside), that is the Watsonian Vice-Counties North and South Lincolnshire, VCs 54 and 53.

The records follow a similar format to the County Flora, being based on the 18 Natural History Recording Divisions.

A plant Atlas for both Vice-Counties based on the 10 Km sq. unit is now in preparation. This will distinguish between past and updated (post-1980) records and will be published as a further Supplement at a later date. In the proposed Atlas the border square numbers will include only those plants within the two Vice Counties, and not be composite for the 10 km sq. as they are shown in this Supplement on pages 62 and 63.

Our thanks are due to E. J. Redshaw for drawing the maps, to the Bodleian Library, Oxford for permission to quote extracts from the Martin Lister MS, to G. S. Phillips for the cover photograph and to Mrs Janet Duckworth and Mrs Judy Matsell for the typing.

EARLY RECORDS

1. By Father Henry Daniel

Since the publication of The Flora of Lincolnshire, a new record has been received in the form of a communication from Dr. John H. Harvey of Frome, Somerset. Dr. Harvey is currently working on the Herbal MSS of Father Henry Daniel, a 14th century Dominican. Since the record predates that of any other Lincolnshire plant record, the communication is printed in full below.

Caucalis latifolia

Great Bur Parsley

British Library, Arundel MS. 42, f. 55

Caculus, or cacula, cardamus agrestis, daucus agrestis, daucus creticus, carui agrestis, careusponticus, cardumeni, or cardumenius or cardumenia, caldamomus oþer vulgal þan carui know y not. Thre manere of caruy þer is ...

'The .3. spece is caculus asynynus, daucus asynyn, carui asynyn or erbe asynyn, wt alle þt oþer namys. It is noþing lik to þe oþer, but it is fer more wonderful to þe sy3t, rote lytel mor þan cokyl, stok mykel lik, saf more, & mor heyh, nyh as whete whanne it is ful eryd, aboute þe myddys of his tre comyn bracys, as of þe tame dauk, & out of euery brace comeþ a fayre order of stalkys & in þe top of euery stalk suche anoþer ordre of stalks & in þe top of euery stalk a flour most lik flours of cokil, saf mor redissh & so it is most lik a trone. so wondir branchid erbe knowe y non þt me menyth. my3t y neuere fynde þis erbe but only in lyncolnshire with yn a myle fro stamford town, on þe left hand toward lyncolne; on þe ry3t hand is water & mede.'

British Library, Additional MS. 27329 ('Aaron Danielis'),f.41v

'The thrid spece is azininus, caculus azininus, daucus azininus, nothyng lyk to ony of þe oþere too, but it is more fayr & more wonderful to þe sigth; rote litil more than cokkil, stalk lyk saue more stif & more hegh nerehand as qwete. About þe middes of þe stalk come out braunches somme .3. or .4. or .5. in gretnes of a stalk of cokkil & out þe middes of þo braunches come as many braunches, & so in to þe crop. most lyk a corious candelstik & in þe top of euery braunch a flour dim red, mikil toward a cokkil flour. And therfore somme calle it Candelebrum Moisy, The Moises Candelstikke.'

The above extracts from the herbal manuscripts of Friar Henry Daniel relate to the only plant for which he gives a station specifically in Lincolnshire. He lived mainly in the

reign of Edward III, but was alive in 1379, when he dedicated his English translation of Isaac's treatise on Urines to Master Walter Turnour of Ketton, apparently a personal friend. Friar Daniel was also well acquainted with a Lady Zouche who seems to have been the wife of William, 2nd baron Zouche of Harringworth, who succeeded 12 March 1342; she died in 1380-81. Daniel also mentions the town of Stamford more than once in other contexts, including a reference to a species of mallow growing by the high way from Stamford to King's Cliffe in the Forest of Rockingham.

Note: the mile used in Daniel's time was generally the Old English mile almost exactly equal to 1½ statue miles, but the statute mile was also in use to some extent.

For the 'thorn' letter (y as in ye olde), þ is typed here. All normal contractions have been expanded.

Dr. Harvey translates as follows.

Discussing 'carrots', Daniel (B.L. Arundel MS.42, f. 55) states that there are three: 1. garden; 2. wild, and (spelling modernized but no other changes)

'The .3. species is caculus asynynus, daucus asynyn, carui asynyn or erbe asynyn, with all that other names. It is nothing like the other, but it is far more wonderful to the sight: root little more than cockle, stock mickle like, save more, and more high, nigh as wheat when it is full eared; about the midst of his tree come braces as of the tame dauk, and out of every brace cometh a fair order of stalks, and in the top of every stalk a flower most like flowers of cockle, save more reddish, and so it is most like a 'trone' (? throne). So wonder branched herb know I none that me meaneth (i.e. that I can think of). Might I never find this herb but only in Lincolnshire within a mile from Stamford town, on the left hand toward Lincoln; on the right hand is water and mede'.

In the revised version, Add. MS. 27329, Daniel gives a slightly different description, saying the plant is 'most like a curious candlestick and in the top of every branch a flower dim red, mickle toward a cockle flower. And therefore some call it Candelabrum Moisy, the Moises Candelstikke'. This MS omits to state the find spot (which happens in other cases too).

Tentatively I have suggested that the plant could be Caucalis latifolia L., Great Bur Parsley, a casual. (The colour of the flowers seems only to fit that; Daniel's cockle is certainly Agrostemma githago L.)

Daniel's mile is more likely to have been an Old English mile of 1½ statute miles, which on the modern Ryhall road would go just into Rutland beyond borderville; but his road to Lincoln might have crossed the mediaeval bridge at Newstead.

2. By Martin Lister (1639-1712)

A communication received from C. J. Sturman of Louth, August 1984, highlights the importance of Dr Martin Lister's notes made in the summer of 1666 (Bodleian Library MS Lister 39 ff. 419-441).

The following were not recorded in the County Flora and are first records for Lincolnshire, pre-dating many by over a century. They have been extracted from Sturman's full transcript of the Lister MS. Lister was familiar with John Ray's Catalogus Plantarum Circa Cantabrigiam Nascientum of 1660: his notes start by recording a day's outing from Cambridge to Fen Ditton, Teversham, Cherry Hinton and the Gog Magog Hills, June 18th 1666 Mr Wray Mr Dent & I went out a simpling...The plants I than observed & which were most of them new to me I here set downe according to the Cambridge Catalogue. (f.421) Modern identification of plants in [ ] brackets have principally been taken from Ray's Flora of Cambridge, translated and edited by A. H. Ewen and C. T. Prime, Hitchen, 1976.

Lister cites the following authorities:

C.B. Gaspard Bauhin, Doctor and Professor in Basle, c.1596.
J.B. Jean Bauhin, elder brother of Gaspard, chief physician to the Duke of Wurtemburg, c.1591.
Ger. John Gerard The Herbal..., 1597.
Ger emac. The Herbal...Enlarged and Amended, by Thomas Johnson, 1633
Park. John Parkinson, Earthly Paradise, 1629; Theatrum Botanicum, 1640.

The Latin prefix An or an (whether) was used by Lister to note his uncertainty.

The plant records form three groups: (1) those noted on Lister's journey to Burwell in July 1666; (2)his observations in Burwell and its environs (which inter alia provide details of the garden and estate at Burwell); (3) his botanical notes at Wainfleet.

(1) Lister was at Bassingbourn ('Bassenburne') by 24 June (f.427), leaving for Burwell by 18 July (f.429). He appears to have crossed the R. Nene at Gunwade or Gunthorpe Ferry just west of Peterborough, then over Ailsworth Heath to follow King Street to Bourne. It is likely that he followed Mareham Lane to Sleaford, and crossed the Witham by ferry at Tattershall, continuing to Horncastle and over the Wolds to Burwell.

Trachelium majus Ger. Campanula major et asperior folio urtice J.B.
[Campanula trachelium L., Nettle-leaved Campanula 475.2] in the hedges upon the road. in Burwall woodes.

(Note: No Campanula trachelium has been recorded for the chalk, but C. latifolia (Northern Bellflower) is at its southern limit in Lincolnshire. Hence C. trachelium might have been seen on the journey, but presumably C. latifolia was the plant at Burwell. Either would be a first record for the area concerned.)

Lagopus vulgaris tenuifolius. hort. hafn [Trifolium avense L., Hare's-foot Trefoil 192.9] on the layes before we came att Gunworthy Ferry and elsewhere upon the road beyond Horne-Castel.

Mentha cattaria. J.B. [Nepeta cattaria L., Wild Catmint 466.1] in the ditches on the road side from Horne castell.

Cannabis spuria. Ger. facie urtice sive urtice inerti seffinis. J.B. [Galeopsis tetrahit L., Common Hemp-nettle 465.4] this I observed now with white and now with red flowers.

Tanacetum vulgare flore luteo. J.B. [Chrysanthemum vulgare (L.) Bernh. Tansy 533.5] in several places upon the road.

Buglossa sylvestris minor Ger emac. [Lycopsis arvensis L., Bugloss 397.1] on the borders of the plowed feild(s) in plenty.

Spergula. J.B. Saginas, Spergula Ger [Spergula arvensis L., Corn Spurrey, Pickpurse, Dother 142.1] upon the road from Tatsall to Horne castell in great plenty.

An Sinapi 2 sive vulgare. Ger. [Brassica nigra (L.) Koch, Black Mustard 67.4] on the ditch bancks upon the road.

Solanum sive solatrum vulgare. Park. [Solanum nigrum L., Black Nightshade 4.3.3] this plant I saw plentifully in the road from Burne to Tatsall.

(Note: Lister also recorded the following: Sharp-flowered rush, Juncus articulatis L.: Larger Bindweed, Calystegia sepium (L.) R.Br.; Hoary Willow-herb, Epilobium parviflorum Schreb.; Soapwort, Saponaria officinalis L.: Spindle-tree, Euonymus europaeus L.; Purple Loosestrife, Lythrum salicaria L.; Arrowhead, Saggitaria sagittifolia L.; Strawberry Clover, Trifolium fragiferum L.; Wood Betony, Betonica officinalis L.; Small Toadflax, Chaenorhinum minus (L.) Lange; Water Mint, Mentha aquatica L.; Wild Radish, Raphanus raphanistrum L.; Charlock, Sinapis arvensis L.. With the exception of the Spindle-tree, recorded in the as-yet-unidentified 'Stangate hole', no specific locations are given: all could be within the County and would be first records.
This could also include Lactuca sylvestris costa spinosa C.B. Sylvestris folijs dissectis Ger.
[Lactuca serriola L., Prickly Lettuce 554.1] on the ditch banck the right hand the great road downewards neer Sautrey Chappel in great plenty and elsewhere on the road before we came at Burne.

(2) In Burwell and its vicinity - some records are dated 22 July (f.431v), others August (f.432v).

Origanum vulgare spontaneum J.B. [Origanum vulgare L., Marjoram 447.1] I observed this with a white flower at Burwell, where it abounds in the mosse close.

An Veronica spicata recta minor. J.B. [Veronica spicata L., Spiked Speedwell] on the garden walls and elsewhere at Burwell. (Note: This species is not recorded as a Lincolnshire plant and is rare in Great Britain. It is more likely that Lister saw the erect form of Veronica arvensis, Wall Speedwell.)

Clinopodium majus. Park. [Clinopodium vulgare L., Wild Basil 453.1]

Lactuca agnina. Ger. [Valoriancella locusta (L.) Betoke, Corn Salad, Lamb's Lettuce 494.1] amongst the oates in a ground new broake up.

An Sorophularia major vulgaris. Park. [Scrophularia nodosa L., Figwort 424.1] in the hedge in the lane as we go down to the bowlling green on the right hand.

Parthenium Matth. Matricaria. Ger. [Chrysanthemum parthenium (L.) Bernh., Feverfew 533.4] on the way sides.

Alsine tenuifolia. J.B. [Minuartia hybrida (Vill.) Schischk., Fine-leaved Sandwort 137.4] all the walkes in the garden over growne with it every where of it nere the house.

Marrubium aquaticum vulgare. Park. [Lycopus europaeus L., Gipsy-wort 446.1] in the ditches in flower.

Sanicula sive diapensia. Ger. [Sanicula europaca L., Sanicle 270.1] in the hedges.

Filix mas non ramosa sive dentata. C.B. [Dryopteris filix-mas (L.) Schott., Male Fern 21.1] on the ditch banck(s) as we go to the park.

an Eupatorium aquaticum folio intergro. Park. [Bidons cernua L., Nodding Bur-Marigold 502.1] in the ford by Kettsby.

An perchpier anglorum. Ger. emac. Polygonum selinoides. Park. Alphanes arvensis L., Parsley Piert 221.1] by the watter-park pale.

Calamintha vulgaris. Park. [Calamintha ascendens Jord., Common Calamint 451.2] Under the hedge near the road south-east of the mosse-close and also where by the hedgerows.

Juncus laevis glomerato flore. Park. [Juncus conglomeratus L., Compact Rush 605.1] all the wood over.

Melampyrum sylvaticum flore luteo, sive satureia lutea syl. J.B. [Melampyrum pratense L., Common Cow-wheat 434.3] in the woods up to the stand on the left hand from the house.

an Gramen arundinaosum aoerosa gluma nostras Park. [Phalaris arundinacea L., Reed-grass 713.1] in the moist places of the woodes.

Gramen caninum vulgatius. P. [Agropyron repens L., Couch-grass, Twitch 685.3]

Aracus sive cracca major. P. [Vicia sativa L., Common Vetch 206.14] in the thickets of the wood.

Aracus sive cracca minor Park. [Vicia hirsuta (L.) Gray, Hairy Tare 206.1] in thicket of the hedge on the left hand beyond the church. this hath black codds which are hairy, tho hath them brown and smooth.

Plantago aquatica minor. Park. [Baldellia ranunculoides (L.) Park. Lesser Water-Plantain 561.1]

Potamogsiton angustifolium Ger. [Polygonum amphibium L., Amphibious Bistort 320.8] in the pond in the watter parke abundantly.

Calamintha arvensis verticillata sive aquatica belgarum. Park. [Mentha arvensis L., Corn Mint 445.3] upon the spring sides plentifully below the Cros(ss)

Pimpinella major vulgaris. Park. [Sanguisorba officinalis L. Great Burnet 222.1] in a new meaddow nere the wood. the sta(l)kes rose two foot high at least, the heades of a darke purple.

Genista tinctoria vulgaris Park. [Genista tinctoria L., Dyer's Greenweed 185.1] the stalkes of this plant alsoe is angular, the leafes are long and narrow and set one after an other; the codd is flat and black and the seed it groweth plentifully on the back side Muckton in the old closes.

Gnaphalium vulgare sive 2. Ger. filago minor Park. [Gnaphalium uliginosum L., Marsh Cudwood 515.4] this hath its tufft of flowers upon the topp of each branch, as in the common one; but they stand not soe thick; besides if they did, yet the huskes of the flowers are much softer and their foot stalkes are longer and loose, twinding and yeilding every way. this groweth, as I observed, in moist places.

an Viciae sive craccas minimae species cum siliquis glabris J.B. [Vicia tetrasperma L., Smooth tare 206/2] by the wood side on the codds which only I could observe are round full and exceeding black and smooth. the seed is ch..... halfe about, marbled and of a haire colour.

On the same bogg (below Lancton near Mr Dayes) September 12 I observed a plant about a foot high then in flower there in great plenty. neere the ground had one and sometimes two round leafes something pointed, which compassd the stalke, soe close they were let on to it, the stalke was round (as I remember) and grew straight up from the leafe halfe a foot, on the very top it boore one single flower, consisting of five white leaves striped making a kind of bell flower with paile thrummes in the middle; the leaves of the flower had as many small green leaves viz 5 under them. the seed vessel when the white leaves were fallen, was larger than a bean and full of dustie seed like unto that of Orchiss.

Cerasus fructu pareo nigro [Prunus avium L., Gean, Wild Cherry 226.4] in our woodes at Burwell plentifully.

Fagus. The Beetch. [Fagus sylvatica L., Beech 339.1] I saw and measured a Beetch tree of 19 foot about, a yard and more from the ground, at Thorpe-hall neere Louth.

? There growes under the hedge rowes about the house at Burwell a plant whose rootes consist of many fibers white and of a sweet tast (which run as quick grasse and propogate themselves). The stalk is sometimes a foot and a half high or moreor lesse it may be grean and stife and distinguished at certaine distances by kurrs or knotts (such as we observed at the end of an ash leafe, I meane the whole wing of leafes.) out of which knees, on each side one, are two broad and something long leaves pointed indented and roofe also I could never see part of July, August September October etc of ther flower or seed or fruit it bore, though it continued it leaves fresh in summer and kept them as fresh in the manner untill December, perhapps all winter. The whole plant as well as leafe is of a pale green colour.
moreover the stake is of itselfe round, though it have two risings upon it which be ever contrary to the sides where the leaves are set on. The stalke is pithy and easily broak. It smells something like elder.

(Note: Lister's findings of Lady's Mantle, Alchemill vulgaris L. sensu lato, 'Alchimilla in Burwell woodes' (f.432) is recorded on p.53 of the Flora but not in the County Flora, 220.3, p.148)

(3) At Wainfleet, September (f.436 v)

an Gramen alopscuroides spica aspera brevi. Park. [Cyonosurus cristatus L., Crested Dog's-tail 679.1] great store every where within the bankes.

An Polygala repens. Park. an Glaux maritima Park. [Polygale vulgaris L., Common Milkwort 114.1] this plant found plentifully on the ditch banks. the seed codd was very close sett to stalke and round.

Cyperus paniculam crassiors minus sparta. J.B. on the rivelet banks that runs by Sir Edward Barkham's plentifully.

(Note: Could this plant be Carex pseudocyperus, Cyperus sedge, or Carex acutiformis, Lesser Pond Sedge?)

Sium discoridis, sive pastinaca aquatica major. Park. [Sium latifolium L., Great Water Parsnip 296.1] in the ditches everywhere.

LINCOLNSHIRE RECORDERS

Additions to the list - ch 6, pp 63-73.
Aungier Dr. F.:fl. 1978 - 1982. NCC Regional Office, Grantham.
Brasier F.:fl. 1970 - 1983. Scunthorpe. LNV.
Daniel, Friar Henry: 14th century Dominican c. 1370.
Chapman P.: 1982 ... Navenby.
Clifford T.: 1978 - 1984. NCC Warden, Saltfleetby - Theddlethorpe Dunes NNR.
Cressey M. J.:fl. 1950s. Barnetby.
Crompton Mrs. G.: 1980, NCC Cambs.
Farmery Miss: 1922, Grimsby.
Garlick Miss E.J.: 1980 ... Nettleham. LNU, WFS, BSBI.
Hammond Miss R.:fl. 1951 - 1971; WFS.
Haywood P.:fl. 1976 ... Lincoln.
Huntly, Marchioness of, nee Miss M.A. Pegus : b. 1821 d.1893; herb, Aboyne Castle, Aberdeenshire (see under Herbaria)
Lammiman F.R.: 1979 ... Ludborough. LNU
Lincolnshire & South Humberside Trust for Nature Conservation, MSC Survey teams, 1977 - 1983.
Linley Miss E.: 1922 ... Grimsby.
Martyn Miss R.:fl. 1950. Grimsby; (sister of Mrs. M. Morris)
Miller E.B.: pre 1930 ... Grimsby
Noel Col.: 1853
Nickerson Ms. R.:fl. 1978 ... LNU, BSBI, WFS.
Ockenden J.: 1975 ... Dunston. LNU
Ostler Mrs. N.E.J.:fl. 1978 ... Grantham.
Peet W.M.:fl. 1979 ... Wainfleet; LNU, BSBI.
Pennell Mrs. E.V.:fl. 1980 ... Lincoln; LNU, WFS, BSBI.
Potts C.:fl. 1974 ... Goxhill
Redman B.: 1979 ... Boston. LNU.
Stewart F.: 1979 ... Lincoln.
Trinder G.L.: 1979 ... Epworth
van den Bos C.G.: 1979 ... Goxhill. LNU.
Weston P.H. and Mrs. C.: 1978 ... Riseholme.
Wilkin Mrs V.: 1979 ... Hibaldstow. LNU
Wilson K.E.: 1982 ... Covenham.

LINCOLNSHIRE HERBARIA

Additions to the list for Vice Counties 53 & 54, p74.

Marchioness of Huntly nee M.A. Pegus, Aboyne Castle, Aberdeenshire (1)

Miss S. Skipworth, Barton on Humber Museum (2)

Note (1)
In 1979 a note of an herbarium collected by the Marchioness of Huntly was published by T.E.C. Wells and J. Wheaill in Transactions LNU, XIX, 190-192. The authors include a list of 23 plants from VC 53, 86 from VC 54, listed under Lincolnshire Natural History Divisions. The herbarium contains over 1,300 specimens from 52 Vice Counties. The article is reprinted in full below.

THE MARCHIONESS OF HUNTLY'S BOTANICAL RECORDS FOR LINCOLNSHIRE (VC 53 and 54)

In the recently published Flora of Lincolnshire, Miss E.J. Gibbons provides an interesting account of the botanical history of the county and of the many botanists, both past and present, who contributed to a knowledge of the flora. She also provides details of the location of 39 herbaria which contain substantial numbers of plants from Lincolnshire. Recently, in connection with studies of the Huntingdonshire vegetation and flora, we became interested in the Marchioness of Huntly (1821-1893) and have examined her large herbarium (now stored at Aboyne Castle, Aberdeenshire) and have also looked at her journals and floras. Her herbarium, which contains over 1,300 specimens, contains plants from 52 vice-counties, including 23 from VC 53 and 86 from VC 54. As the Marchioness is not mentioned in Miss Gibbons' flora, it is the purpose of this paper to draw attention to the records which exist for Lincolnshire.

THE MARCHIONESS OF HUNTLEY

Mary Antoinette Pegus was born in 1821, the daughter of the Rev. P.W. Pegus and the Dowager Countess of Lindsey. She lived at Uffington, to the east of Stamford, until 1844, when shemarried Charles, Earl of Aboyne, who succeeded to the Marquisate of Huntly in 1853. As her family grew up, she visited their various homes. One of her daughters, Mary, married Edmond Turnor, a Lincolnshire landowner, and lived at Panton Hall, east of Wragby.

From an early age, the Marchioness developed a keen interest in botany, stimulated and encouraged by her eminent neighbour, the Rev. M.J. Berkeley, FRS, and by other botanists

through correspondence and occasional meetings. At the time of her death in 1893, the Marchioness had built up a large herbarium, in which most of the specimens were localised with dates. Some have descriptions of the habitat from which they were collected. Her annotated copies of the botanical works by Sowerby and Bentham survive. Throughout the greater part of her life, she kept a day-journal which usually makes reference to the value and circumstances of her various 'botanical excursions'. It is this combination of a herbarium, annotated works of reference, and day-journals that makes the records of the Marchioness so remarkable.

Even her earliest journals depict an enquiring mind, interested in all forms of natural history and, in particular, geology and botany. An entry for October 1843 reads, 'Gathered wild flowers and found a very pretty yellow creeper in a clover field with leaves like the musk-plant which I have never observed before. Also found a plant in Uffington Wood of the GERANIUM I suppose to be the COLUMBIUM and the same I found at Norton, figures in Sowerby p.259'. By the time she began to visit her daughter at Panton in the 1880s, the Marchioness was an accomplished botanist. An entry for June 1882 noted, 'I walked through the kitchen garden and round through the shrubbery. I was interested in the vegetation in the woods. The FELIX-FEMINA and DILITATA ferns abound mixed with blue forget-me-not and the red campion (LYCHNIS DIURNA). Both in the covert and in the grass the GEUM RIVALE grows in profusion and in the open meadows are quantities of ORCHIS MACULATA and MORIO'.

From Panton, she explored the local countryside, and her Journal for April 1882 describes a drive to a small lake in Benniworth parish, where she found 'ORNITHOPUS PERPUSILLUS, GNAPHALIUM SYLVATICUM and a white foxglove'. Similar entries in her diaries support and enhance the value of the herbarium specimens.

(Note: Panton is on the lower slope of the Wolds. There is a patch of acid sand with characteristic plants, which forms part of the Park. Much ploughing up of the Park was done during the 1939-45 war but the woods still contain interesting plants, some of which may have been introduced. There are also gravel pits adjoining with rhododendrons, foxgloves and monkshood. E.J.G.)

SOUTH LINCS. (V.C. 53)

HONINGTON (Division 15)

Ornithogallum nutans (1879) in the shrubberies, but probably wild Coll: W.E. Turnor.

STOKE ROCHFORD (Division 15)

Viburnum opulus (1889) Miss D. Turnor.
Polemonium caeruleum (1887) Col: Ed. Turnor.
Garden escape.

UFFINGTON (Division 16)

Thalictrum flavum (N.D.) nr. Uffington Station
Myosoton aquaticum (1843)
Stellaria media (1879) Coll: G. Hill
Malva moschata (N.D.) roadside
Geranium columbinum (1888)
Ononis repens (N.D.)
O. spinosa (1882) roadside, beyond Uffington Wood
Agrimonia eupatoria (N.D.) growing in the grass, side of the Avenue
Sorbus torminalis (N.D.) hedge, Uffington Wood
Daucus carota (N.D.)
Picris echioides (1882)
Legousia hybrida (1882) arable field
Cuscuta europaea (N.D.) on hop
Kickxia spuria (1843) arable field
Veronica chamaedrys (N.D.) with white flowers
Polygonum aviculare (1884) stubble field
Orchis mascula (N.D.) Uffington Wood
Dactylorchis fuchsii (N.D.) Uffington Wood
Lolium perenne (1845)
Phragmites communis (1842)

NORTH LINCOLNSHIRE (V.C.54)

BENEWORTH HAVEN (BENNIWORTH), EAST OF PANTON (Division 7)

These are a series of water filled pits, south of the disused railway at TF 225825.

Hypericum tetrapterum (1886)
Trifolium campestre (1886)
Ornithopus perpusillus (1886)
Gnaphalium sylvaticum (1886)
Filago minima (1886)
Juncus effusus (1886)
Poa pratensis (1892)

MABLETHORPE (Division 9)

Cakile maritima (1886) sands. Coll: Miss Perkins
Honkenya pepioides (1882) sand
Trifolium arvense (1886) Coll: Miss Perkins
T. pratense (1886) Coll: Miss Perkins
T. campestre (1886)

Lotus tenuis (1886) Coll: Miss Perkins
Eryngium maritimum (1886)
Apium graveolens (1886) dykes
Aster tripolium (1886) Coll: Miss Perkins
Calystegia soldanella (1882)
Salicornia europaea (1886) salt marshes
Apriplex hastata (1886) Coll: Miss Perkins
A. patula (1886) Coll: Miss Perkins
A. littoralis (1886) Coll: Miss Perkins
Carex arenaria (1884)
Phleum arenarium (1886)

PANTON (Division 7)

Cardamine hirsuta (1884) gravel terrace, Panton Hall
Viola tricolor (1892)
Melandrium noctiflora (1885) arable fields
Silene dioica (1882) woods
Sagina nodosa (1885) old lime pit
Stellaria graminea (1885)
Hypericum tetrapterum (1886) old lime pit
Althaea officinalis (1885)
Vicia cracca (1885) old lime pit
Lathyrus pratensis (1885) old lime pit
Filipendula vulgaris (1885) grassfield
Geum rivale (1882) grassfields and woods
Geum x intermedium (1890) hedgerow
Sanguisorba officinalis (1885) grassfield
Epilobium parviflorum (1889)
E. palustre (1885)
Pimpinella major (1885) grassfields
Conopodium majus (1882) grassfields
Adoxa mochatellina (1870) Lady Mary Turnor
Gallium uliginosum (1885) grassfield
Achillea millefolium (1886) pink variety
Filago germanica (1886) arable field
Cirsium palustre (1885) grassfield
Centaurea scabiosa (1886)
Legousia hybrida (1885) cornfield
Lysimachia vulgaris (1888)
Analallis tenella (1889) Panton Wood, Ed. Turnor
Blackstonia perfoliata (1885) old lime pit
Lycopus europaeus (1888) hedgebank
Veronica officinalis (1888)
Betonica officinalis (1885)"forming sheets of purple on the grassfields"
Juncus conglomeratus (1885)
J. articulatus (1892) field south of Panton Wood
Carex echinata (1892)
C. vulpina (1892)
Phleum pratense (1892)
Agrostis tenuis (1892)
Calamagrostis epigejos (1892)
Deschampsia caespitosa (1892)
Arrhenatherum elatius (1892) roadside

Holcus mollis (1892) field by side of Panton Wood
Hordeum secalinum (1892) side of road to East Barkwith
Lolium multiflorum (1892)
L. perenne (1892)
Bromus ramosus (1892) side of road, East Barkwith
Bromus mollis (1892)
Dactylis glomerata (1892) roadside
Cynosurus cristatus (1892)
Glyceria maxima (1892) side of brook, Panton Rectory

STIXWOLD (Division 10)

Ornithogallum nutans (1884) "from an old orchard, near the old Abbey"

WILLINGHAM (Division 7)

North and South Willingham are situated at TF 162883 and TF 193835, about 2 miles north of Panton.

Sagina nodosa (1883)
S. procumbens (1888) wall
Vicia angustifolia (188?) in grass
Rubus caesius (1882) wood

WOODHALL SPA (Division 10)

Rubus fruticosus (1886) Coll: Lady Mary Turnor
Hieracium umbellatum (1886)
Gentiana pneumanthe (1887) growing among heather

WRAGBY (Division 7)

Cerastium arvense (1882)
Prunus communis (1887) wood nr. Wragby
Salix aurita (1887) wood nr. Wragby
S. cinerea (1887) wood nr. Wragby

BOTANICAL RECORDS

The Marchioness' records for V.C.54 are from 7 localities, of which more than half are from Panton, in the period 1882-1892. It is clear from the presence of many grassland species, such as Filipendula vulgaris, Sanguisorba officinalis, Conopodium majus and Betonica officinalis that species-rich grassland of a type that is now uncommon in Lincolnshire occurred in this area, the annotation of the sheet containing Betonica officinalis forming sheets of purpose on the grass-fields being particularly revealing. The records from Woodhall Spa are also of interest, particularly the 12 plants of Drosera intermedia collected in 1887, 4 years before Alston's record which is given by Miss Gibbons as the first record for Woodhall Spa. The specimen of Solidago virgaurea collected in 1886 by Lady Mary Turnor from the same site also provides an interesting link with the more recent record of 1967. Presumably,

this is evidence that the plant had survived there for that length of time.

The 23 species recorded for V.C.53 are, with the exception of three, all from Uffington, the Marchioness's childhood home. The most interesting speciment, which is undoubtedly correctly identified, is of the Larger Dodder (Cuscutaeuropaea) on hop. Unfortunately, the specimen has no date on the sheet, but is likely to precede the doubtful record of 1884 by E.M. Brown, the only record for the county, given in Miss Gibbons' flora.

The full list of species for both vice-counties is given above, together with the natural history divisions in which they occur, following the scheme devised by Woodruffe-Peacock and used in Miss Gibbon's flora.

T.C.E. Wells, J. Sheail
Institute of Terrestrial Ecology, Monk's Wood

Note (2)

In December 1982 a herbarium 22½ ins x 14½ ins (leather backed) was reported to have been given to the Barton on Humber Museum at Baysgarth House, collected by Miss Susan Skipworth, dated 1848. Rev. E.A. Woodruffe Peacock referred to it in his MS for Vol. 1 Victoria County History for Lincolnshire, which was never published. He dated the herbarium 1835 unfortunately, which was unlikely as Susan Skipworth would have only been 11 years old. Very few of the 300+ specimens are localised unfortunately but of those which are, about 20 of them are from Cleethorpes, Claxby Wood, Grantham and Kidderminster. Her sisters were married and living at Claxby and Kidderminster. Other plants which are present are likely to be from South Kelsey where she was born and brought up, until she married in 1858, John Lewis Ffyche of Thorpe Hall, Louth, a noted antiquary.

Her cousin, Mary Elizabeth Dixon of Caistor, kept a Withering's Botony which localised records all dated in the 1850s and 1860s. Both are based on the Linnaean system of classification. THe following list is based on the Skipworth herbarium.

Vicia sylvatica	Wood Vetch	Claxby Wood
Dipsacus pilosa L.	Small Teasel	Claxby Wood
Campanula latifolia L.	Giant Bell Flower	Claxby Wood
Drosera rotundifolia L.		'Plantation'
Gentiana pneumonanthe L.		no locality
Butomus		nr. Grimsby
Limonium binervis	Statice spanthulata	Cleethorpes
Glaux	Sea Milkwort	Cleethorpes
Borago	Healing Borage	Cleethorpes
Nuphar	Yellow water-lily	'canal'
Lysimachia num	Creeping Jenny	Saxby, nr. Welton
Adoxa	Moschatel	Grantham
Chrysosplenium oppositifolium		Grantham
Geum rivale	Water Avens	Grantham
Paris		Grantham
Ranunculus sceleratus	Celery-leaved buttercup	Grantham

THE COUNTY FLORA

p 79 Explanation and key

Additions since 1974, or new records which have come to light, are printed under the page number of the 1975 Flora, followed by the Dandy number (List of Vascular Plants by J.E. Dandy, London), and the name of the species. Beneath is the Division number, the date of the record, the place and the name of the finder, as in the format of the 1975 Flora.

Previous recordings of the rarer species have been updated. Where known colonies have been destroyed or unsuccessfully searched for, the word extinct is used.

The list on p.290 of the Flora for plants which were believed to be extinct, but refound, has been amended. The list on p.291 for New County Records has been amended. Other lists have been added.

E.J.G. - Miss E.J. Gibbons

I.W. - Mrs I. Weston

p 80 1.2 Lycopodium inundatum L.

10. 1970, Woodhall Spa, E.J.G. Not seen since. Believed extinct in the county.

1.4 Lycopodium clavatum L.

13. 1980, Skellingthorpe, I.W. Not seen since. Site destroyed by housing development. Believed extinct in the county.

2.1 Selaginella selaginoides (L.) Link

5. 1961, Scotton, I.W. Not seen since. Believed extinct in the county.

4.1 Equisetum hyemale L.

3. 1936, Nettleton, E.J.G. Extinct.
7. 1982, Moortown, I.W. Along dikeside.

p 81 4.3 Equisetum ramosissimum Desf.

17. 1982, Boston, I.W. Flourishing.

4.7 Equisetum sylvaticum L.

2. Crosby Warren, V. Wilkin. Only recent record. Presumed extinct in all other Divs.

5.1 Osmunda regalis L.

1. 1975, Haxey, E. Exton. Large specimens.
6. 1976, Knaith, E.J.G.
13. 1981, Skellingthorpe, I.W. Reduced in numbers due to housing developments.

Introduced into Scotton Common Nature Reserve (Div. 5) and Hartsholme Country Park (Div. 13).

p 82 8.1 Pteridium aquilinum (L.) Kuhn

Add: Perhaps introduced into fox coverts.

14.1 Phyllites scolopendrium (L.) Newm.

Recorded for Div. 17.

17. 1979, Boston, B. Redman.

15.5 Asplenium trichomones L.

17. 1979, Boston, B. Redman.

p 83 16.1 Ceterach officinarum DC.

15. 1960, Boothby Pagnall, E.J.G.
17. 1979, Boston, B. Redman.
18. 1981, Lutton, R. Stevenson.

p 84 21.2 Dryopteris borreri Newm.

Recorded for Div. 16.

22.1 Polystichum setiferum (Forsk.) Woynar

7. 1982, Osgodby, R. Nickerson and I.W.
15. 1977, Castle Bytham, J. Creedy.
16. 1971, Stamford, J.H. Chandler. On stonework.

22.3 Polystichum lonchitis (L.) Roth.

2. 1977, Frodingham, A. Frankish.

One plant on railway bank. Casual. Now gone.

24.1 Thelypteris oreopteris (Ehrh.) Slosson

13. 1980, Hartsholme, I.W.

p 85 25.1 Polypodium vulgare L. ssp interjectum

9. 1980, Saltfleetby, T. Clifford. (Det. R.H. Roberts).
14. 1984, Digby Church, N. Hards (Det. Jermy)

26.1 Pilularia globulifera L.

2. Manton. Extinct through drainage. Last seen 1974, I.W.
2. 1981, Messingham, V. Wilkin. Extensive population in new sand quarries. Spreading.

p 86 27.1 Azolla filiculoides Lam.

6. 1977, Burton, I.W.
14. 1975, Ewerby Pond, R.V. Collier.
15. 1981, Harlaxton, N.E.J. Ostler.

p 87 33.1 Pinus sylvestris L.

1. 1977, Haxey. Large stumps ploughed up north of Haxey Turbury and Smaque Farm in Crowle. (1980).

p 89 40.1 Aconitum napellus L. agg.

15. 1972, Ermine Street South of Blue Harbour, J.H. Chandler.
1982, Keisby Wood, J. Lamming. Casual in RAF camp.

43.3 Aconitum apennina L.

3. 1978, Great Limber, K. Sowerby.
6. 1981, Riseholme, I.W. Naturalised in woodland.

p 90 44.2 Pulsatilla vulgaris Mill.

2. Broughton. Not seen since 1968. Dug up.
14. 1774, Ancaster Heath, Sir J. Cullum. Precedes 1795 as 1st record.

45.1 Clematis vitalba L.

1. 1878, Crowle, W. Fowler. B.H. specimen.

46.5 Ranunculus arvensis L.

6. 1983, Cherry Willingham, C. Riddock.
8. 1980, North Cockerington and Louth, I.W.

Not seen elsewhere recently. Very much a victim of sprays.

P 91 46.9 Ranunculus parvifloris L.

Not seen recently. (1962).

46.19 Raununculus fluitans Lam.

16. 1961, Uffington, J.H. Chandler.
1961, Deeping St. James, J.H. Chandler.

p 92 46.22 Raununculus aquatilis L. subsb pseudofluilans

11. 1946, Aby, E.J.G.
15. 1950, Stoke Rochford, J.H. Chandler.

Native, calcareous streams.

p 93 49.1 Aquilegia vulgaris L.

2. 1982, Broughton, E.J.G. (Flourishing)
15. 1979, High Dyke, J. Faulkner.

p 95 58.4 Papaver hybridum L.

15. 1953, Ancaster, E.J.G.

58.6 Papaver somniferum L.

17. 1982, Wyberton, G. Steele.

61.1 Glaucium flavum Crantz.

9. 1981, Sutton, L. Ball.
11. 1973, Gibraltar Point, K. Payne.
1980, 1981, I.W. 1982, W.M. Peet.

p 96 65.3 Corydalis claviculata (L.) DC.

6. 1978, Greetwell, I.W.
1982, Riseholme, C. Weston.
7. 1982, Osgodby, I.W.
11. 1978, Langton, L & SHTNC.

67.1 Brassica oleracia L.

9. 1984, Saltfleetby (shingle bar), S. Lorand.
Casual, seeded from cultivated sp.?

67.3 Brassica rapa L.

12. 1977, Boston N., B. Redman.
17. 1977, Boston S., B. Redman.

Strays on roadsides.

p 97 72.1 Diplotaxis muralis (L.) DC.

14. 1979, Sleaford, F. Brasier.

p 98 76.3 Rapistrum rugosum ssp orientale.

16. 1970, Stamford, J.H. Chandler.

77.1 Cakile maritima Scop.

12. 1979, Wainfleet, W.M. Peet.

p 99 80.2 Coronopus didymus

6. 1975, Nettleham, W. Heath. (Garden weed, persisting).
16. 1977, Stamford, J.H. Chandler.

81.2 Cardaria chalepensis (L.) Hand. - Mazz

8. 1959, Withcall Station, E.J.G.

p102 97.2 Cardimine amara L.

10. 1977, Ashby Puerorum, L & SHTNC

p105 108.2 Sisymbrium irio L.

5. 1948, Brandy Wharf (canal), R. Butcher.

108.4 Sisymbrium orientale L.

2. 1950, Brumby, D. Young. B.S.B.I.
7. 1980, Market Rasen, E.J.G.

108.5 Sisymbrium altissimum L.

Recorded for Divs. 12 and 17.

109.1 Arabidopsis thaliana (L.) Heynh.

Recorded for Div. 12.

111.1 Descurainia sophia (L.) Webb ex Prantl

11. 1974, Gibraltar Point, A.J. Gray.

p106 112.1 Reseda luteola L.

17. 1978, Both sides of the river at Fosdyke Bridge.
18. 1978, B. Redman.

p107 113.8 Viola stagnina Kit. (V. persicifolia Schoeb.)

Last seen in Div. 6, 1936. Extinct.

p107 113.12 Viola tricolor L.

1. 1975, Wroot, I.W.

p108 114.2 Polygola serpyllifolia Hose

1. 1980, Belshaw, E.J.G.
2. 1970, Nettleton, E.J.G.
7. 1960, Holton, E.J.G.

115.4 Hypericum calycinum L.

13. 1956, Leadenham, E.J.G.

p109 115.14 Hypericum elodes L.

2. 1950, Risby, E.J.G.
5. 1939, Scotton, E.J.G.
6. 1856, Nr. Gainsborough, J. Lowe.
1979, Knaith, E.J.G. 1983, E.J.G. & I.W.
1785, Specimen at B.M., Sir J. Banks
(No locality).

p110 121.1 Frankenia laevis L.

11. 1975 - 1983, Gibraltar Point, I.W.
Well established and increasing.

123.2 Silene maritima With.

11. 1982, Gibraltar Point, W.M. Peet.
Specimen at B.M., Sir J. Banks.
(No locality).

p111 123.12 Silene noctiflora L.

Much less frequent and few recent records.
Specimen B.M., Sir J. Banks. (No locality).
To be searched for.

p112 125.1 Agrostemma githago L.

2. 1820, Appleby, E. Stickland.
6. 1977, Saxilby, P. Donnellan (Conf. I.W.)
10. 1975, Edlington, P. Donnellan (Conf. I.W.)
The only two recent records.

131.3 Cerastium tomentosum

Introduced and naturalised.

p113 131.11 Cerastium pumilium

14. 1949, Ancaster, F. Rose.

132.1 Myosoton aquaticum (L.) Moench

6. 1983, Greetwell, G. Leachman & I.W.
Specimen B.M. Sir J. Banks.

133.1 Stellaria nemorum L.

2. 1920, Broughton, E. Fowler and E. Dunn

pl15 137.1 Minuartia verna (L.) Hiern.

Recorded for Div. 17

pl18 153.1 Amaranthus retroflexus L.

3. 1977, Nettleton, K.M. Hubbard.
15. 1980, Ancaster, E.J.G., I.W., E.V. Pennell

pl19 154.9 Chenopodium ficifolium Sm.

Recorded for Divs. 1, 4, 5.

154.13 Chenopodium hybridum L.

2. 1982, Broughton, E.J.G., I.W.
9. 1976, Glentworth, E.J.G.
15. 1939, Ancaster, S.A. Taylor (Liverpool Museum)

154.17 Chenopodium capitatum (L.) Aschers.

4. 1960, Riby, O. Spurrier.
6. 1979, Sudbrooke, L. Ball.
12. 1979, Boston, F. Brasier.

pl20 156.3 Atriplex hastata L.

Recorded in Div. 5

pl21 158.1 Suaeda maritima (L.) Dum.

Iron Age saltworks (Helpringham 1977)

158.2 Suaeda fruticosa Forsk. (S. vera J.S. Gmel.)

18. 1978, Dawsmere, J. Halliday.

160.1 Salicornia perennis Mill

18. 1975, Lutton, P. Adams
Specimen B.M., Sir J. Banks.

p122 162.2 Tilia cordata Mill

11. Kettlehole peat deposit adjacent to late Neolithic/early Bronze Age round barrows at Butterbump near Willoughby, TF47. 'Peat analysis shows signs of successive clearance of the original lime forest which covered the area 5,000 years ago'. J.R.A. Grieg, 1982; see Appendix VII and Bibliography)
Central Lincolnshire limewoods in quantity.

For map of present distribution see page 33.

165.1 Althaea officinalis L.

2. Broughton, casual.
4. Cleethorpes, Miss Linley. (R. Martyn and E.B. Miller, 1916). Most northern record - extinct.
11. 1960s, Gibraltar Point. Rescued and transplanted.
12. Freiston, B. Redman.
17. 1979, Frampton, B. Redman.

Becoming very scarce in the county.

p124 166.1 Linum bienne Mill

17. 1978, Pinchbeck, E. Swann.

166.2 Linum usitatissimum L.

insert after Childrey - 'copied from Camden 1607'.

166.3 Linum anglicum Mill

2. 1984, Briggate Lodge, (Ermine Street) V. Wilkin.
15. 1972, Ermine Street, J.H. Chandler.
16. 1982, Stamford, I.W. (Trust Nature Reserve).

167.1 Radiola linoides Roth.

5. 1923, Laughton, D. Meynell (correspondence).
7. 1928, 1929, Linwood, E.J.G. To be searched for.

Specimen B.M., Sir J. Banks.

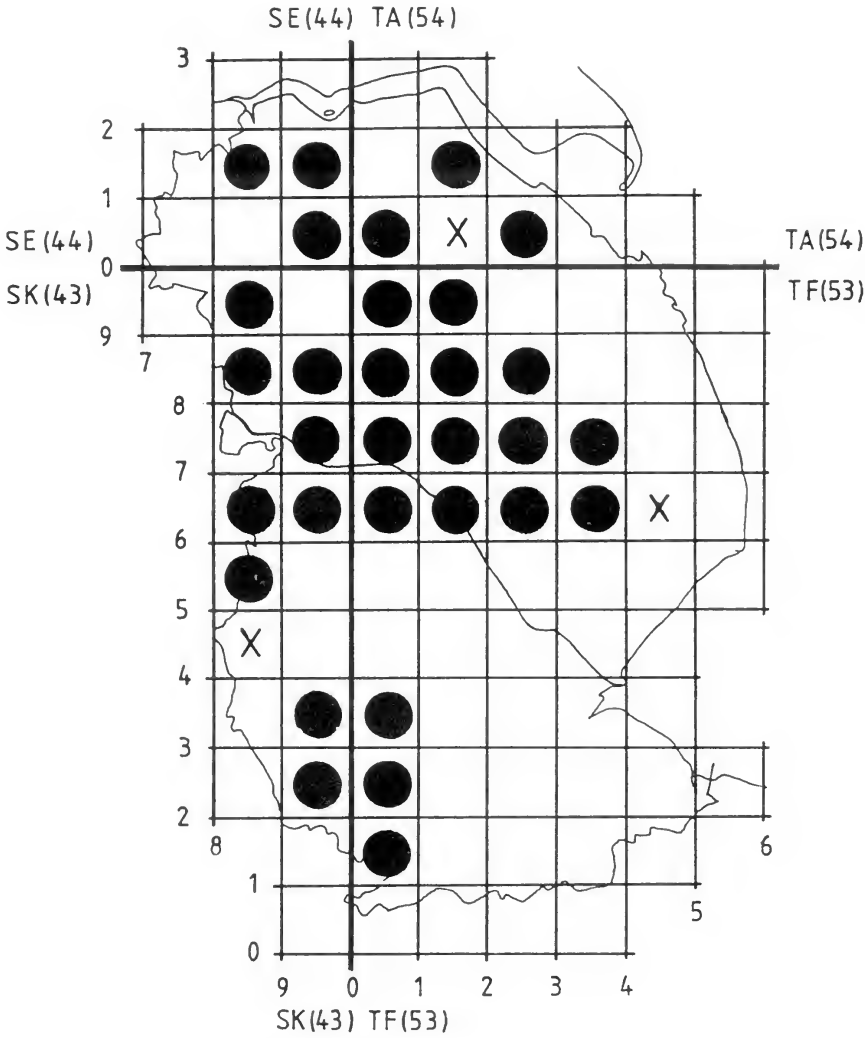
p125 168.7 Geranium sanguineum L.

2. 1975 and 1982, Broughton, E.J.G., I.W. Decreasing. No other records.

p127 169.3 Erodium cicutarium s.sp. dunensis Andreas.

11. 1937, Gibraltar Point, B.E.C.

Distribution of Tilia cordata, Small-leaved lime



● In woods, roadside hedges

X Known to be planted

TF46 : a single tree at Gunby

TF47 : no present day record

170.2 Oxalis corniculata L.

12. 1979, Boston, B. Redman.
17. 1979, Boston, B. Redman.

170.7 Oxalis corymbosa

18. 1937 - 1950, 1966, Spalding, J.H. Chandler.
Ineradicable garden weed.

171.2 Impatiens capensis Meerb.

2. 1973, Burringham (2 plants), E.J.G.

p128 171.4 Impatiens glandulifera Royle

2. 1973, Burringham, F. Brasier.
5. 1974, 1982, Knaith,E.J.G.
6. 1963, 1982, Riseholme, I.W.
9. 1977, Horseshoe Point, (2 plants) F. Brasier
15. 1975, Barkston, E.J.G.
16. 1974, Deeping St. James, J.H. Chandler.

p129 177.1 Euonymus europaeus L.

Recorded for Div. 5.

p130 185.2 Genista anglica L.

Specimen B.M., Sir J. Banks.

p131 187.3 Ulex minor Roth.

13. 1855, Whisby Moor, J. Dodsworth.
(F.A. Lees, M.S.)

189.1 Ononis repens L.

Recorded for Div. 1 (Owston)

190.1 Medicago falcata L.

3. 1972, Killingholme, E.J.G.
Medicago falcata x sativa = M x Varia.
3. 1972, Killingholme, I.W.

p132 192.1 Trifolium ornithopodiodes L. (Trigonnella ornithopodioides L.D.C.)

5. 1850, Gainsborough, Miss Stanwell.
No locality. F.A. Lees M.S.

p133 192.3 Trifolium ochroleucon Huds.

16. 1982, Casterton, I.W. (Trust Nature Reserve) Only recent record.

192.5 Trifolium squamosum L.

9. 1896, N. Somercotes (in lucerne),Lees, Peacock.

192.10 Trifolium striatum L.

6. 1984, Lea, I.W.
16. 1977, Casewick.

192.11 Trifolium scabrum L.

9. 1982, N. Somercotes, K.E.Wilson
14. 1950, Rauceby.

p134 192.13 Trifolium subterraneum L.

6. 1984, Lea, J. Knibb. New site; only one now known. To be searched for in similar areas.

p135 200.1 Astragalus danicus Retz.

18. 1982, Fosdyke, N.E.J. Ostler.

200.3 Astragalus glycophyllos L.

1. 1977, 1982, Haxey, E.J.G., I.W.
5. 1977, Gainsborough, E.J.G.
15. 1981, Colsterworth verges, I.W.
16. 1952, Carlby, J.H.Chandler. 1963, E.J.G., 1982, I.W.

p136 204.1 Hippocrepis comosa L.

4. 1979, Swallow, G. Espin.

206.2 Vicia tetrasperma (L.) Schreb.

5. 1977, Laughton and Scotter, E.J.G.

p137 206.10 Vicia sylvatica L.

Seems to be dying out. Only seen recently at Morkery (1983) where it is abundant, Bassingthorpe, and College Wood (near Wragby).

p139 207.5 Lathyrus tuberosus L.

14. 1983, Rauceby, I.W. Well established and increasing.

pl39 207.9 Lathyrus palustris L.

9. 1864, Theddlethorpe, J.H. Thompson.
1983, Theddlethorpe, I.W. Only site, flourishing.

Quote from Sir Joseph Banks, Botanist's Guide 1805: 'In the meadows of the East Fen, in abundance, where they are most subject to be overflowed'.

pl40 211.2 Rubus saxatilis L.

2. 1975-1982, Broughton, E.J.G., I.W. Only extant record.
6. 1944, Gate Burton, marshland.

pl41 211.16 Rubus eboracensis W.C.R. Wats

17. 1975, Flaxmill, J.H. Chandler.
18. 1975, Fulney, J.H. Chandler.

pl42 211.71 Rubus amplificatus

16. 1975, Bourne, Callans Lane Wood, A. Newton.

pl43 211.129 Rubus ulmifolius Schott

17. 1975, Spalding, J.H. Chandler.

pl44 211.165 Rubus vestitus Weihe & Nees

16. 1974, Stamford, A. Newton.
1975, Callans Lane Wood, A. Newton.

211.173 Rubus boraenus Genev.

16. 1975, Edenham, J.H. Chandler. (Det. A. Newton).

211.183 Rubus drejeri Jensen

16. 1975, Callans Lane Wood, A. Newton.

211.83 Rubus anglo-hirtus

This is a newly named species.
A. Newton thinks the Harrowby Gorse record for R. drejeri is probably this species.

15. 1975, Edenham, A. Newton.
16. 1975, Callans Lane Wood, Bourne Wood, A. Newton.

211.212 Rubus echinatus L.

16. 1975, Callans Lane Wood, A. Newton.

p145 211.216 Rubus rudis Weihe & Nees

16. 1975, Callans Lane Wood, A. Newton.

211.284 Rubus rufescens Muell. & Lefèv.

15. 1963, Lincs. Gate, J.H. Chandler.
(Det. A. Newton).

211.374 Rubus hirtus

15. 1970, Lincs. Gate, A. Newton.

p146 212.6 Potentilla argentea L.

2. 1964, Broughton, E.J.G.
10. 1982, Woodhall, I.W.

212.7 Potentilla recta L.

14. 1975, Heckington Railway, E.J.G.

212.11 Potentilla tabernaemontani Aschers.

14. 1774, Ancaster Heath, Sir J.Cullom.
1962, Ancaster, E.J.G. & I.W.
Not seen since.

p147 212.14 Potentilla anglica Laichard

5. 1977, Laughton, E.J.G.
10. 1981, Moor Farm, Woodhall, S.M. Walters.
1984, Kirkby Moor and Woodhall, I.W.
15. 1960, Twyford Forest, J.H. Chandler.
(Conf. C.C. Townsend).

212.14 x 15 Potentilla x Mixta

15. 1960, Twyford Forest, J.H. Chandler.
(Conf. C.C. Townsend).

p148 220.3 Alchemilla vulgaris L. sensu lato.

15. 1666. For Ropsley amend to Great North Road near Stamford.

220.8 Alchemilla xanthochlora Rothm.

1. 1978, Haxey railway, I.W., E.J.G.

220.10 Alchemilla glabra Neygenf.

2. 1981, Broughton, E.J.G.
10. 1977, Woodhall, E.J.G.

p148 221.2 Aphanes microcarpa (Boiss & Reut.) Rothm.

16. 1958, Uffington, J.H. Chandler.

p150 225.4 Rosa canina var sphaerica L. agg.

1. 1950, Epworth, D.P. Young.

p152 225.5 Rosa dumetorum Thuill

1. 1950, Epworth, D.P. Young.

p153 225.10 Rosa sherardii Davies

13. 1978, Potterhanworth, E.J.G., I.W. (Det. Graham).

225.11 Rosa tomentosa var typica Sm.

4. 1979, Roxton Wood, E.V. Pennell (Det. Graham)
16. 1977, Thurlby, E.J.G.

p155 225.13 Rosa micrantha Sm.

7. 1965, Linwood, R. Melville.

226.3 Prunus cerasifera

15. 1953, Holywell, J.H. Chandler.

p156 232.7 Sorbus torminalis (L.) Crantz.

4. Irby, E.J.G. Single tree presumed planted.
14. Haverholme, E.J.G. Single tree presumed planted.

p157 235.2 Sedum telephium L.

1. 1980, Haxey, E.J.G., I.W. Disappeared 1981.
2. Broughton - not seen recently.
7. Middle Rasen - extinct.
15. Morkery Wood and Irnham - dying out.
Decreasing and needs monitoring in the other localities.

235.6 Sedum album L.

6. 1977, Dunholme, E.J.G. & I.W.

p158 237.1 Crassula tillaea L. Garland

13. Stapleford. Extinct. Former colony under new forestry road. Still found in Notts. nearby.

p158 237.2 Crassula helmsii

15. 1981, Denton, Mrs. Pearce.

238.1 Umbilicus rupestris (Salisb.) Dandy

10. 1961, Tattershall, S. Monk.
(Very little). Now gone.

242.1 Chrysosplenium oppositifolium L.

11. 1982, Fordington, W.G. Hoff & I.W.

p159 242.2 Chrysosplenium alternifolium L.

3. 1977, Worlaby, L & SHTNC
11. 1977, Fordington, L & SHTNC
1982, Fordington, W.G. Hoff & I.W.
(different localities)

243.1 Parnassia palustris L.

Now believed to be extinct in Lincolnshire.

p160 247.1 Drosera rotundifolia L.

5. 1973, 1980, 1981, 1982, Scotton Common Nature Reserve and in Laughton Forest, E.J.G. & I.W.
7. 1974, Linwood. Not seen lately.
10. 1981, Woodhall, on golf course, E.J.G. & I.W. (in plenty).

247.3 Drosera intermedia Hayne

5. 1958, 1960, Scotton Common Nature Reserve, R. Smith & E.J.G. Not seen lately.
1981, Laughton, G.S. Phillips, I.W.

p161 249.1 Lythrum hyssopifolia L.

3. 1977, Killingholme, C.G. van de Bos.

251.1 Daphne mezereum L.

7. 1920, N. Owersby, M.E. Gibbons (disappeared)
9. 1979, Saltfleetby (dune scrub), T. Clifford.
15. 1978, Grantham, Mrs. Cave.

251.2 Daphne laureola L.

1. 1963, Double Rivers, E.J.G.
3. 1980, Saxby, E.J.G. & V. Wilkin.
7. 1980, Claxby, E.J.G.
11. 1976, Skendleby, W.G. Hoff.
12. 1982, Wainfleet, Mrs. E.A. Allen.

p162 254.3 Epilobium montanum L.

2. 1821, Appleby, E. Strickland.

254.6 Epilobium adenocaulon Hausskn.

Recorded for Divs. 14, 16.
Spreading to all Divs.

254.9 Epilobium obscurum Schreb.

Recorded for Div. 6.

p163 255.1 Chamaenerion angustifolium (L.) Scop.

1886, ½ acre, Haugham Wood Lees.

256.1 Oenothera biennis agg.

Add: including O. erythrosperma

259.4 Myriophyllum alterniflorum DC.

1. 1971, Craiselound, R.M. Burton.

p164 262.4 Callitriche intermedia Hoffm.

13. 1982, Boultham, E.V. Pennell
14. 1982, Nr. Ancaster, E.V. Pennell
15. 1983, Ancaster, E.V. Pennell
17. 1978, Donington, J.H. Chandler.

p165 264.1 Thesium humifusum DC.

13. 1983, Fulbeck, I.W. Found in similar quantity as in 1960s.
15. 1982, Holywell, F. Augier. Persisting.

268. Hedera hibernica

6. 1978, Lincoln, Nettleham, Hackthorn. E.J.G.
7. 1950, Holton le Moor, E.J.G. Established.
15. 1978, Stamford, J.H. Chandler.

Very large leaves, inclined to be prostrate flowering about a fortnight later than the native species. Found in many gardens and shrubberies throughout the county.

p166 272.1 Eryngium maritimum L.

4. 1849, Cleethorpes, Skipworth Herb.
9. 1979, Donna Nook, P. Haywood.

p166 274.1 Anthriscus caucalis Bieb.

9. 1983, Donna Nook, F.R. Lammiman

p167 275.1 Scandix pecten-veneris L.

8. 1984, Grimoldby, C. Cheffings.

278.2 Caucalis latifolia L.

3. 1957, Elsham, E. Dunn (Casual)
16. c.1350, nr. Stamford, Friar Henry Daniel; referred to as Moises candlestickke.

p168 279.1 Coriandrum sativum L.

11. 1979, Gibraltar Point, L. Ball (Conf. I.W.)

280. Smyrnium olusatrum L.

13. 1980, Doddington, A. Jarvis. Introduced to garden.
1981, Waddington, E.V. Pennell. Casual.

p169 286.2 Petroselinum segetum (L.) Koch.

13. 1981, Caythorpe, I.W. (in sugar beet).
Only recently recorded; to be searched for.

p170 291.2 Carum carvi L.

5. 1847, Gainsborough, J.K. Miller.
12. 1970, Bakers Bridge, E.J.G., I.W.
18. 1961, Tydd Gowt, E.J.G.
1964, Sutton St. James, E.J.G.

293.1 Conopodium majus (Gauan) Loret

2. 1821, Appleby, E. Strickland.

p171 300.5 Oenanthe crocata L.

2. 1980, Burton Stather, E.J.G. & M. Barke.

p173 307.2 Angelica archangelica L.

6. 1981, Knaith, E.J.G., I.W.

p174 318.1 Mercurialis perennis L.

17. 1975, E.J. Redshaw.

318.2 Mercurialis annua L.

6. 1983, Lincoln, I.W. Persisting.
16. 1980, Tattershall, I.W.

p174 319.2 Euphorbia lathyrus L.

Recorded for Div. 16.

p175 319.16 Euphorbia cyparissias L.

15. 1977, Bassingthorpe, NCC Railway survey. (Persisting)

p176 320.1.4 Polygonum aequale Lindon

6. 1976, Riseholme, I.W.

320.2 Polygonum raii Bab.

11. 1978, Gibraltar Point, E.J.G. & I.W.

p176 320.6 Polygonum bistorta L.

7. 1977 - 1982, Claxby, E.J.G., I.W.
Garden escape naturalised.

320.19 Polygonum cuspidatum Sieb and Zucc.

2. 1976, Greetwell, E.J.G., I.W.
17. 1979, Boston, B. Redman.

p180 329.1 Humulus lupulus L.

5. 1977, Humble Carr, Gainsborough, E.J.G.
(Humble is the name for hop in Sweden!)

329. Cannabis sativa L.

15. 1980, Ermine Street, V. Wilkin.
Ancaster, E.J.G., I.W. & E.V. Pennell.
Cultivated Nettleton and Holton 1550-1700 (wills with reference to hemp and hempen sheets), Isle of Axholme 18th century.
Ropes for shipping from 'Rope-Walks' in most Lincolnshire towns.

p181 330.6 Ulmus plotii Druce.

5. 1970, Glentham, E.J.G.
7. 1970, South Kelsey, E.J.G.
8. 1968, Burwell, E.J.G.

p182 331.1 Myrica gale L.

1. pre-1600, Axholme, Leland & Speed.
1982, Crowle, M. Johnson.
13. c.1930, Skellingthorpe, F.T. Baker.
(Only V.C. 53 record).

p182 336.2 Alnus incana (L.) Moench

7. 1982, Claxby Wood, I.W. Planted.
10. Mareham on the Hill. Planted.
11. Gibraltar Point. Planted.

p184 342.4 Populus nigra L.

3. Brigg. (1 mature female tree) 1983 (flourishing)
N. Kelsey. (1 mature female tree).
5. Laughton. (1 mature female tree)
East Stockwith, E.M. Redhead.
7. S. Kelsey. (1 mature female tree) uprooted.
Horsington. (5 pollarded female trees).
9. Tetney. 2 scrubby young trees.
Tetney Lock. (1 mature tree and 1 semi-mature tree).
13. Ashby de la Launde. 2 scrubby 30ft. trees.
14. Heckington Fen. 1 mature pollarded tree.
16. Twenty. 1 mature tree.

Records compiled by J. Ockenden, 1982.
Native.

p185 343. Salix nigricans

14. 1959, Haverholme, L. Howitt.
Native.

p186 345.1 Rhododendron ponticum L.

11. Gunby.

350.1 Andromedo polifolia L.

1. 1981, Crowle Waste, G.L. Trinder.
Very shy in flowering.

p187 358.2 Vaccinium myrtillus L.

2. Extinct - habitat built over.
7. 1983, Linwood, I.W. (Population spreading).

358.4 Vaccinium oxycoccus L.

1. 1981, Crowle Waste, V. Wilkin,
1983, M. Johnson.
2. 1917, Santon - delete 'Peacock'
insert M.E.G. Extinct.
1976, Greetwell, G. Espin.
1983, I.W., E.J.G. Still present and in quantity.
(Not found elsewhere in the county).
Extinct in Divs. 7, 10, 12.

p188 359.1 Pyrola minor L.

7. After Bowstead insert J. Bot.
1875, (1st certain record).
7. 1956, N. Willingham, E.J.G.
1981, New area, Willingham, M. Game.
Only record.
1983, increasing here, I.W.

Quote from F.A. Lees, S.M.: 'This forms the most salient feature in the firwoods upon the greensand. In dozens of places about Rasen its neat foliage carpets the woods in great patches and when in bloom its thousand of waxen bells are extremely ornamental'.

p189 365.2 Limonium humile Mill.

17. 1951, Frampton, E.J.G.
1973, P. Adam.

365.3 Limonium bellidifolium (Gouan) Dum.

(Mentioned in Sir Joseph Banks' Botanist's Guide for Fosdyke). Extinct in Lincs. since 1970.

p190 367.5 Primula vulgaris Huds.

18. 1920, Fleet, E. J. Redshaw - old record from wood near Hazelwood Lane (now gone).

Primula veris x vulgaris

Recorded frequently where both parents occur.
1972-1977, Burwell Wood
1977-1983, Hoplands Wood.

p191 372.3 Anagallis foemina Mill.

7. 1980, Osgodby Corner, E.J.G.

372.4 Anagallis minima (L.) E.H.L. Krause

5. 1924, Laughton (corresp. Miss D. Meynell, 1975).
10. 1976, Kirkby Moor, B. Redman.

p194 386.1 Menyanthis trifoliata L.

10. 1984, Kirkby Moor, I.W.
New site. Now very rare.

p194 387.1 Nymphoides peltata (S.G. Gmel.) Kuntze

10. 1980, Coningsby, E.V. Pennell
1982, Tattershall, I.W.
1983, spreading, I.W.
12. 1976, West Fen Drain, I.W.
1977, B. Redman.
17. 1971, North Forty Foot, F. Brasier.
1975, Holland Fen, Mrs. Z. Porter.
Spreading northwards by fenland drains.

p196 392.2 x 1 Symphytum x uplandicum

15. 1959, Bulby, J.H. Chandler, (Det. S.M. Walters).
16. 1959, Stamford, J.H. Chandler, (Det. S.M. Walters).

p196 393.1 Borago officinalis L.

4. Correct 1835 to 1948, Healing, S. Skipworth (Verification Barton Herbarium).

p197 395.1 Pentaglottis sempervirens (L.) Tausch

13. 1982, Leadenham, P. Chapman.

p198 401.2 Lithospermum arvense L.

6. 1978, Riseholme, I.W. (Casual weed).
Not recently recorded.

p199 406.2 Calystegia pulchra Brummitt and Heywood

Recorded for Div. 2.

406.4 Calistegia soldanella (L.) R. Br.

9. 1977, Donna Nook, P. Haywood.
11. 1982, Skegness, R.B. Wilkinson & W.M. Peet
1983, Huttoft, A.E. Smith.

407.1 Cuscuta europaea L.

16. c.1840, Uffington, Miss M.A. Pegus (Marchioness of Huntley). On hop.

p200 407.3 Cuscuta epithymum (L.) L.

7. 1981, Bardney; on Medick (same site), I.W.

p200 410.1 Atropa bella-donna L.

18. 1982, Distillery Farm (Agric. College Farm) Holbeach, I.W.
Along 200 yds. of dyke. 1983, ditto, plus 2nd site in Holbeach area, E.J.G., I.W.
Not recorded from Div. 18 since the 1597 record from Gerarde's Herbal.

411.1 Hyoscyamus niger

18. 1982, Holbeach, I.W.

p201 413.4 Solanum sarrachoides Sendtn.

6. 1977, Knaith, E.J.G.
10. 1975, Tattershall, Mrs. Z. Porter and I.W.
12. 1981, Wainfleet, W.M. Peet.
(all S. nitidibaccatum, Bitten)

416.3 Verbascum phlomoides L.

2. 1976, 1982, Manton, E.J.G.

p203 420.2 Linaria purpurea (L.) Mill.

6. 1970, Riseholme, I.W. (garden).
1982, still flourishing.
12. 1979, Boston, B.
16. 1954-1975, Stamford, J.H. Chandler.
17. 1979, Boston, B. Redman.

p204 425.1 Mimulus guttatus DC.

16. 1981, Colsterworth, N.E.J. Ostler

425.3 Mimulus moschatus

16. 1957-1975, Stamford, J.H. Chandler.

p205 430.2 430.7 430.15 430.23
should read 1848 in all cases. S. Skipworth.

430.22 Veronica polita Fr.

5. 1978, Thonock, E.J.G.

430.24 Veronica filiformis Sm.

6. 1970, Riseholme, I.W. Increasing rapidly.
15. 1957, Stubton, E.J.G.
1960, Stainby, J.H. Chandler.
Increasing throughout the county.

432.1 Pedicularis palustris L.

Believed to be extinct.

p207 433.1 Rhinanthus serotinus (Schonh.) Oborny

Since 1980 only recorded twice in Div. 1. (1st site).
Crowle Waste, increasing in quantity.
1983, Belton, G.L. Trinder.

p208 435.22 Euphrasia anglica Pugsl.

10. 1961, Kirkby Moor, E.J.G.

p209 440.3 Orobanche rapum-genistae Thuill

6. 1983, Laughterton, I.W.

440.6 Orobanche elatior Sutton.

3. 1980-1983, Barton on Humber, C.G. van den Bos. (1st record on chalk).
16. 1982, Gt. Casterton nature reserve and verges, I.W. In quantity.

440.8 Orobanche minor Sm.

2. 1972, Killingholme, E.J.G.
10. 1980, Old Bolingbroke, L. Ball & I.W. (In quantity on clover crop).
16. 1979, Birthorpe, N. Goom.
Also found in gardens on Senecio greyii in Div. 6. Dunholme 1978, and Div. 3 1978 in gardens.

441.3 Pinguicula vulgaris L.

16. c. 1920, Billingborough Fen, K. Brown. Extinct.

p210 442.1 Utricularia vulgaris L.

13. 1983, Skewbridge, Lincoln, P. Haywood.

p211 445.6 Mentha longifolia (L.) Huds.

Recorded for Divs 5 and 13.

445.6 x 7 Mentha x Viliac

15. 1959, Little Bytham, J.H. Chandler.
16. 1959, Tallington, J.H. Chandler.

p212 451.2 Calamintha ascendens Jord.

6. 1981, Lincoln, E.V. Pennell.

452.1 Acinos arvensis (Lam.) Dandy

1980, Sutton Bridge, R. Stevenson.

p212 455.1 Salvia verticillata L.

6. 1979, Torksey, E.J.G., P. Hurst.

455.2 Salvia pratensis L.

10. 1979, Edlington, I.W. Persisting.
Casual.

p214 461.1 Lamiastrum galeobdolon

ssp. montana
10. Add 1820

p215 466. Nepeta cataria L.

15. 1982, Carlby, road verge, I.W.

p216 469.2 Scutellaria minor Huds.

2. 1976, Twigmoor, E.J.G.
7. 1877, Linwood, (Lees S.M.).

470.1 Teucrium chamaedrys L.

2. Persisting at Broughton 1983.
7. Persisting at Middle Rasen 1983.
Thought to be possibly native at Broughton due to habitat and associated species, but known to be a garden relic in Middle Rasen. E.J.G. & I.W.

470.4 Teucrium scorodonia L.

5. 1960,Somerby, E.J.G.
16. 1980, Dole Wood, E.J. Redshaw.
Recorded for Divs. 6, 16.

p218 473.1 Littorella uniflora (L.) Aschers

2. 1984, Messingham, V. Wilkin
13. 1976, Lincoln, E.J.G. & I.W.
1981, V. Pennell.

475.1 Campanula latifolia L.

5. 1979, Thonock, E.J.G.

475.3 Campanula rapunculoides L.

Recorded for Divs. 12, 13.

p219 479.1 Jasione montana L.

3. 1970, Nettleton, E.J.G.
3. 1879, Claxby, on slopes, Lees.
Only seen recently in Divs. 3, 13, in small quantity.

p219 481.1 Sherardia arvensis L.

Correct 1835 to 1848.

p220 483.2 Asperula cynanchica L.

14. 1944, Cranwell, Cox.

485.3 Galium mollugo L.

ssp. erectum, now Galium album.
2. 1982, Broughton, G. Crompton, I.W.
3. 1982, Nettleton, E.J.G.
8. 1982, North Elkington, E.J.G.

p221 487.1 Sambucus ebulus L.

16. 1977, Careby, L & SHTNC

p222 487.3 Sambucus ramosa

7. 1930, Holton le Moor, planted E.J.G.
Naturalised since 1980, E.J.G.

489.1 Symphoricarpos rivularis Suksd.

17. 1975, Gosberton, E.J. Redshaw.

Recorded in all Divs.

p223 494.5 Valerianella dentate (L.) Poll.

6. 1976, Lea, E.J.G.
7. Correct 1836 to 1948.

495.1 Valeriana officinalis L.

18. 1975, Cowbit, E.J. Redshaw.

p224 497.2 Dipsacus pilosus L.

7. 1854, Claxby, S. Skipworth.
1982, Claxby, E.J.G. & I.W.
16. 1981, Morkery, E.J.G.

p225 500.1 Succisa pratensis Moench

7. Correct 1836 to 1848.

502.1 Bidens carnua L.

16. 1978, Baston Fen, N.E.J. Ostler.

p225 503.1 Galinsoga parviflora Cav.

2. 1983, Messingham, I.W.
10. 1983, Tattershall Thorpe, I.W.
13. Increasing outside Lincoln City in this Div.

503.2 Galinsoga ciliata (Raf.) Blake

2. 1974, Scunthorpe, A. Frankish.
3. 1974, Goxhill, C. Potts.
6. 1984, Lincoln, C. Godfrey.
14. 1979, Sleaford, F. Brasier.

p228 509.1 Petasites hybridus (L.) Gaertn., Mey & Scherb.

15. 1962, Barkston, E.J.G. Female plants only.
1982, Hough on the Hill, K. Rowland. Male and female plants.
1983, Westborough, E.J. Garlock. Female plants only. Beside Witham.
Female rare in VC 53.

509.4 Petasites fragrans (Vill.) C. Presl

13. 1981, Harmston, E.V. Pennell.

512.1 Inula helenium L.

7. 1979, Horsington, V. Wilkin & P.J. Wilson.

512.5 Inula chrithmoides L.

No recent records. Extinct.

p230 517.1 Antennaria dioica (L.) Gaertn.

1st record: 1774, Ancaster Heath, Sir. J. Cullum. ? Div. 14 or 15.

p231 522.1 Conyza canadensis (L.) Cronq.

Spreading. Found as a garden weed and in waste places.

p233 532.1 Matricaria recutita L.

15. 1969, Corby Glen, J.H. Chandler.

p234 537.1 Carlina vulgaris L.

1. 1950, Belton, A. Frankish. No recent record for this Div.

p234 538.2 Arctium nemorosum Lejeune.

Recorded for Div. 12.

p235 539.1 Carduus tenuiflorus Curt.

6. 1978, Marton, E.J.G.
12. 1984, Leverton, W.M. Peet.
14. 1977, Rauceby, N.C.C. railway survey.

p236 542.1 Onopordum acanthium L.

1. 1977, Haxey, E.J.G.
6. 1975, Knaith, E.J.G.

p237 548.1 Arnoseris minima (L.) Schweigg. & Koerte

1. 1933, Epworth, LNU.
4. 1898, Grimsby, A. Smith.
Last seen Middle Rasen Moor 1959, E.J.G.
Believed extinct.

p238 549.3 Hypochoeris maculata L.

13. 1955, Fulbeck, E.J.G.
1956, Fulbeck, J.E. Lousley.
1 plant only, not seen since 1956.
Extinct.

p239 554.1 Lactuca serriola L.

12. 1977, Boston Dock, B.D.
1982, Slippery Gowt, Skirbeck, I.W.
13. 1979, Leadenham, LNU.
Increasing.

554.2 Lactuca virosa L.

3. 1981, South Ferriby, E.J.G. & I.W.
Very large plants.
Found commonly on sand dunes and spreading along roadsides on the limestone in Div. 13.

555.1 Mycelis muralis (L.) Dumort.

1. 1980, Belton, E.J.G.
6. 1960, Riseholme, I.W.

p240 557.3 Cicerbita macrophylla (Willd.) Wallr.

13. 1980, Doddington, E.V. Pennell.

558.1.139 Hieracium uliginosum F.J. Hanb.

2. 1976, Broughton, B.N.K. Davies.

558.1.154 Hieracium maculatum Sm.

6. Not seen recently.
15. 1978, Morkery, I.W. Forestry Commission car park.

p242 588.2.8 Hieracium brunneocroceum Pugsl.

2. 1971, Broughton, E.J.G.
7. 1971, Holton le Moor, E.J.G.
16. 1969-75, Stamford, J.H. Chandler.

p243 559.5 Crepis biennis L.

6. 1976, Fillingham, E.J.G.
In old pasture and on verges.

559.8 Crepis paludosa (L.) Moench.

4. Extinct.
8. 1975, Kirmond, C. Walker.

p244 563.3 Alisma gramineum Lejeune.

Not seen since 1972. Searched for without success 1981-1983, I.W.

p245 570.3 Elodea nutallii (Planch) St. John (Hydrilla verticillata Dandy)

16. 1974, West Deeping, J.H. Chandler.
17. 1978, Donington, J.H. Chandler.
18. 1978, J.H. Chandler.

p246 576 Zostera sp.

1982, Donna Nook, hearsay only. Extensive search by I.W., R. Nickerson and T. Clifford in 1983 produced nothing.

p249 577.14 Potamageton obtusifolius Mert. & Koch.

5. 1877, Bishopbridge, Lees. Presumed extinct here.
15. 1961, Denton, E.J.G. (Det. T.G. Tutin).

577.15 Potamageton berchtoldii Fieb.

Recorded for Div. 2.

p250 579.1 Ruppia spiralis L. ex Dunmort. (R. cirrhosa (Petagne) Grande)

9. 1933, Humberstone, Miss C.D. Marsden.
1951, Humberstone, E.J.G.
17. 1974, Marine Villa, A.J. Gray. Still present 1979, 1981, I.W.
18. 1974, Holbeach Marsh, A.J. Gray.

579.2 Ruppia maritima L.

3. 1980, N. Killingholme, J. Braddon.
9. 1980, N. Somercotes, T. Clifford.
1983, T. Clifford and I.W.
12. 1937, Wrangle, B.E.C. 1974, Wrangle, A.J. Gray
17. 1937, Frampton, B.E.C. 1974, Frampton, A.J. Gray.
18. 1974, Holbeach Marsh, A.J. Gray.

p251 589.3 Polygonatum multiflorum (L.) All.

6. 1969, Upton Grange, E.J.G. In a small plantation. Naturalised.

591.1 Asparagus officinalis L.

9. 1940, Mablethorpe, Mrs. E.C. Riggall. (Short form).
1976, Mablethorpe, P. Haywood.

p251 597.1 Gagea lutea (L.) Ker Gawl.

15. 1973, Morkery Wood, G. Sellers. Increasing in Morkery, in a number of places, I.W. (1983).

p252 598.1 Ornithogalum umbellatum L.

5. 1980, Laughton, M. Barke.

598.2 Ornithogalum nutans L.

5. 1980, Laughton, M. Barke.
15. 1981, Ancaster, I.W.

p253 605.14 Juncus maritimus Lam.

Recorded for Div. 12.

p255 607.3 Allium scorodoprasum L.

2. 1981, Hibaldstow. Increasing 1983, E.J.G. & I.W.

p255 607.6 Allium oleraceum L.

5. 1980, Laughton, M. Barke.
6. 1977, Laughterton, E.J.G.
Growing with A. vineale 1983, E.J.G. & I.W.

607.7 Allium carinatum L.

15. 1960, Dry Doddington, E.J.G.

p256 612.1 Galanthus nivalis L.

Add: Sometimes double, showing origin as an introduction.

614 Narcissus pseudonarcissus L.

5. c.1970, Wharton Wood, C.G. van den Bos.
1979, E.J.G. & I.W.
13. 1958, Norton Disney, Rev. R. Roper. In some quantity.
In Div. 5. Possibly native. Large area with other primary woodland plants but rumoured as being planted.

616.1 Iris spuria L.

9. pre-1953, Grainthorpe, E.J.G. Extinct.
Found now only in Huttoft locality.
1982, Huttoft - 6 flowering heads, P. Hayward.
Stock plants in University Botanic Garden - Cambridge, 1983. Searched for extensively but not found, I.W. & G. Crompton.

616.3 Iris foetidissima L.

16. 1970s, grounds of Casewick Hall, J.H. Chandler.
Introduced in private woods.

p257 625.1 Epipactis palustris (L.) Grantz

2. Delete Alkborough, insert Walcott.
9. 1981, Saltfleetby, T. Clifford.
1983, increasing, I.W.
15. Delete Ancaster, insert Moor Close.
Extinct.

625.2 Epipactis helleborine (L.) Crantz

1. 1980, Crowle, G.L. Trinder.
2. 1976, Brumby, A. Frankish.
13. 1979, Stapleford, F. Stewart. New site.

p257 625.3 Epipactis purpurata Sm.

15. 1980, Morkery, M. Pool. 1981, 1982, 1983, increasing in numbers, I.W. & M. Pool.

16. 1895, Dunsby, Peacock - add con. D.P. Young, 1953.

625.4) 625.5) Epipactis leptochila (dunensis type?)

7. Osgodby Corner, I.W.
This population is still expanding and needs more observation. Exhibit BSBI Nov. Meeting 1982. (Conf. Dr. A.J. Richards).

625.5 Epipactis dunensis Godfrey

1. 1981, Crowle, E.J.G. (Conf. I.W., Det. Knight and Richards).

p258 636.1 Gymnadenia conopsea (L.) R. Br.

18. 1982, Fosdyke, N.E.J. Ostler.

p259 641.1 Himantoglossum hircinum

10. Add: 1974, Mrs Dale, R.E.M. Pilcher. (Not seen since).
16. Add: 1931-1932, Carlby, Dr. J.A. Dale.
1981, Carlby; record not reported to recorders but known to occur via other sources.

p260 642.4 Orchis ustulata L.

1. 1978, Eastoft, E.J.G. & I.W. Population stable.

643 Replace Dactylorchis with Dactylorhiza

643.1 Dactylorhiza fuchsii (Druce) Vermeul. (Soò)

Add: Recorded in all Divs.
Abnormal colour form recorded from Double Rivers, I.W.
1975, (Watsonia 12, 4, 1979)

643.3 Dactylorhiza incarnata

17. 1983, Surfleet, N.E.J. Ostler & K. Heath.

p260 643.2b Dactylorhiza maculata subsp. ericetorum (E.F. Linton) Hunt and Summerhayes.

10. 1973, Moor Farm, R.V. Collier.
Special East Anglian form (Det. Kew)

p260 643.4 Dactylorhiza praetermissa (Druce) Vermeul.

1. 1974, Crowle, E.J.G. 1982, G.S. & G. Phillips & I.W.
Abnormal form referred to P. Hunt and P.H. Roberts - confirmed as a narrow-leaved form, flowering later than the norm.
18. 1974, Gedney, A.J. Gray.

643.5 Dactylorhiza purpurella (T. & T.A. Steph.) Soo

3. 1980, Elsham, A. Goodall. Unconfirmed but stated by the referees to be probable. Population unstable and not present 1981 and 1982.

p261 644.1 Aceras anthropophorum (L.) Ait. f.

15. 1982, Ancaster, I.W. Population fluctuates in number but stable.
1983, Little Ponton, M. Pool. Large population.

649.2 Arum italicum

17. 1970, Kirton, E. Pearce; established dracunculus.
17. 1981, Kirton, I.W. Alien found as garden escape in cottage garden.

650.1 Lemna polyrrhiza L.

13. 1980, South Common, Lincoln. E.V. Pennell.

p262 650.4 Lemna gibba L.

2. 1980, N. Killingholme, J. Bratton.

p264 655.4 Scirpus sylvaticus L.

Add: Possibly waterborne from garden at Panton Hall.

655.9 Scirpus tabernaemontani C.C. Gmel.

1. 1981, Crowle, E.J.G.
2. 1981, Messingham, E.J.G. & I.W.
5. 1981, Scotter, E.J.G. & I.W.
7. 1978, Panton, E.J.G., I.W. & Mrs Z. Porter.

655.10 Scirpus setaceus L.

Seems to be much more widespread, 1979-1983.

p264 656.3 Eleocharis quinqueflora (F x Hartmann) Schwarz

9. 1982, Saltfleetby, T. Clifford. (Conf. M. Walters).

p265 656.4 Eleocharis multicaulis (Sm.) Sm.

5. 1981, Scotter, I.W. (Conf. S.M. Walters)

656.6 Eleocharis uniglumis (Link) Schult.

2. 1979, Whitton, I.W. (Conf. S.M. Walters).
11. Delete Irby, insert Orby.

657.1 Blysmus compressus (L.) Panz. ex Link.

2. 1950, Broughton, E.J.G.
1980, Normanby Park, L.N.U.
6. 1983, South Common, Lincoln, E.J.G. & I.W. Flourishing.
7. Great Sturton. Extinct - ploughed up.
10. West Ashby. Extinct - ploughed up.
15. 1960, Stroxton, E.J.G.

657.2 Blysmus rufus. (Huds.) Link.

9. 1983, Cleethorpes, I.W. Flourishing.
1983, Saltfleetby, I.W. Flourishing.

p266 661.1 Cladium mariscus (L.) Pohl.

1. 1974, Crowle, E.J.G.
Recorded in 1980s from Epworth and Haxey. All other records extinct.
Add: Star Carr (Haxey), Star Holme (N. Kelsey) and Star Fen (Sleaford).
11. 1984, Gunby, W.G. Hoff. Very large colony in open water in Fishponds Holt. Origin unknown.

p267 663.2 Carex distans L.

7. 1980, Sotby, I.W. (Conf. D. Streeter). Inland site.

663.3 Carex hostiana D.C.

2. 1983, Twigmoor, I.W. (Conf. Jermy).

663.11 Carex extensa Gooden.

9. 1982, Saltfleetby, I.W. Extensive.

p267 663.15 Carex pseudocyperus L.

2. 1963, Bottesford, F. Lammiman.

663.16 Carex rostrata Stokes.

2. 1968, Bottesford, F. Lammiman

p268 663.22 Carex pendula Huds.

13. 1981, Hartsholme, E.J.G. (Probably introduced).

p269 663.23 Carex strigosa Huds.

16. 1981, Elsea Wood, E.J. Redshaw.
1982, Temple Wood, I.W. & E.J.G.

p269 663.32 Carex hirta L.

Recorded for all Divs.

p269 663.35 Carex ericetorum Poll.

2. 1974, Broughton, R.W. David.
1981, G. Crompton & I.W.
14. 1974, Ancaster Valley, R.W. David.
1982, Ancaster Valley, G. Crompton.

663.46 Carex elata All.

Recorded for Div. 9.

p270 663.50 Carex nigra (L.) Reichard.

Recorded for all Divs.

663.62 Carex divisa Huds.

2. 1979, Whitton Bog, I.W. (Conf. S.M. Walters).
9. 1967, Saltfleetby, J.W. Blackwood.

p271 663.67 Carex spicata Huds.

2. 1980, Normanby, A. Goodall.

663.72 Carex curta Gooden.

2. 1981, Twigmoor, L.N.U.
10. 1979, Kirkby Moor, I.W.

663.80 Carex pulicaris L.

2. 1983, Twigmoor, E.J.G., I.W.

Uncommon.

p272 668.1 Sieglingia decumbens (L.) Bernh.

4. 1980, Roxton, I.W.
11. 1983, Willoughby Meadow Nature Reserve, W.M. Peet.

669.3 Glyceria declinata Breb.

11. 1976, Grebby, W.G. Hoff.
13. 1973, Blankney, E.J.G.

p273 670.6 Festuca rubra subsp. pruinosa (Hackel) Piper

17. 1980, Kirton, I.W. (Conf. J.O. Trist).

670.7 Festuca juncifolia St. Amans.

11. 1979, Cleethorpes, Mrs. B. Watkinson. Skegness, I.W.

670.11 Festuca longifolia Thuill (F. caesia Sm.)

6. 1981, Torksey, I.W. (Conf. J.O. Trist).

670 Festuca guestifolia Boenn ex Reicheub. (F. longifolia Auct. non Thuill)

6. 1981, Torksey, I.W. (Conf. P.J.O. Trist).
11. 1982, Skegness golf course, I.W. (Conf. P.J.O. Trist).

p274 672.3 Vulpia myuros.

Recorded for Div. 17.

673.3 Puccinellia rupestris

17. 1974, Kirton, A.J. Gray
18. 1974, Holbeach, A.J. Gray.

p275 674.2 Demazeria marina (L.) Druce (Catapodium marinum (L.) C.E. Hubbard).

4. 1980, Cleethorpes, L. & B. Watkinson.

675.1 Nardurus maritimus

Still present in Divs. 15 and 16.

676.3 Poa bulbosa

4. 1982, Cleethorpes, L. Watkinson, I.W. Increasing.

p276 676.12 Poa subcaerulea Sm.

4. 1977, Cleethorpes, I.W. (Conf. C.E. Hubbard)

677.1 Catabrosa aquatica (L.) Beauv.

2. 1984, Messingham, V. Wilkin.
6. 1983, Lincoln South Common, I.W. Increasing.
1984, Lea, I.W.

p278 683.12 Bromus thominii auct. non Hard.

7. 1981, N. Willingham, E.J.G. & I.W.

p280 685 Agropyron pungens x junceiforme
(A. x oliveri Druce)

17. 1980, Kirton, E.J.G. & I.W. (Conf. P.J.O. Trist).

687.3 Hordeum marinum Auds.

12. 1826, Frieston, Howitt.
17. 1980, Kirton, E.J.G. & I.W.

p281 689.1 Koeleria cristata (L.) Pers.
(Now Koeleria macrantha (Ledeb) Schult)

12. 1979, Boston, B. Redman.

693.1 Helictotrichon pratense (L.) Pilg.
(Now Avenula pratenses (L.) Dumont)

11. 1976, Grebby, W.G. Hoff.
18. 1974, Holbeach, A.J. Gray.

693.2 Helictotrichon pubescens (Hudson) Pilg.
(Now Avenula pubescens (Hudson) Dumont.

1. 1965, Epworth, E.J.G. 1978, Crowle, E.J.G.
Recorded for all Divs.

p283 699.1 Ammophila arenaria (L.) Link.

18. 1979, Gedney Drove End, E.V. Pennell.
1st Record VC 53.

701.3 Agrostis gigantea Roth.

7. 1981, Osgodby, I.W.
11. 1973, Grebby, W.G. Hoff
12. 1974, Boston, A.J. Gray.
18. 1974, Holbeach, A.J. Gray.

p284 702.1 Apera spica - venti. (L.) Beauv.

1. Still frequent in arable fields 1983. I.W. 1979, Double Rivers, J. Faulding.
2. 1976, Messingham, F. Brasier, I.W.
15. 1981, Counthorpe, L. Cave, D.F. Wright.

702,2 Apera interrupta (L.) Beauv.

2. 1980, Ashby, A. Goodall. (Conf. I.W.) Casual.
4. 1978, Cleethorpes, L. Watkinson. (Conf. C.E. Hubbard).
Dr. Hubbard regarded this as native at Cleethorpes as it covers an extensive area - corresp. I.W., 1983. Now decreasing due to enclosure of area and competition from other species - I.W.)

p285 708.5 Alopecurus bulbosus

Not seen despite searches in 1970s or since and believed to be extinct.

p286 713.4 Phalaris paradoxa L.

18. 1983, Holbeach, I.W. (Conf. P.J.O. Trist). Casual but in quantity.

p287 720.2 Setaria verticillata (L.) Beauv.

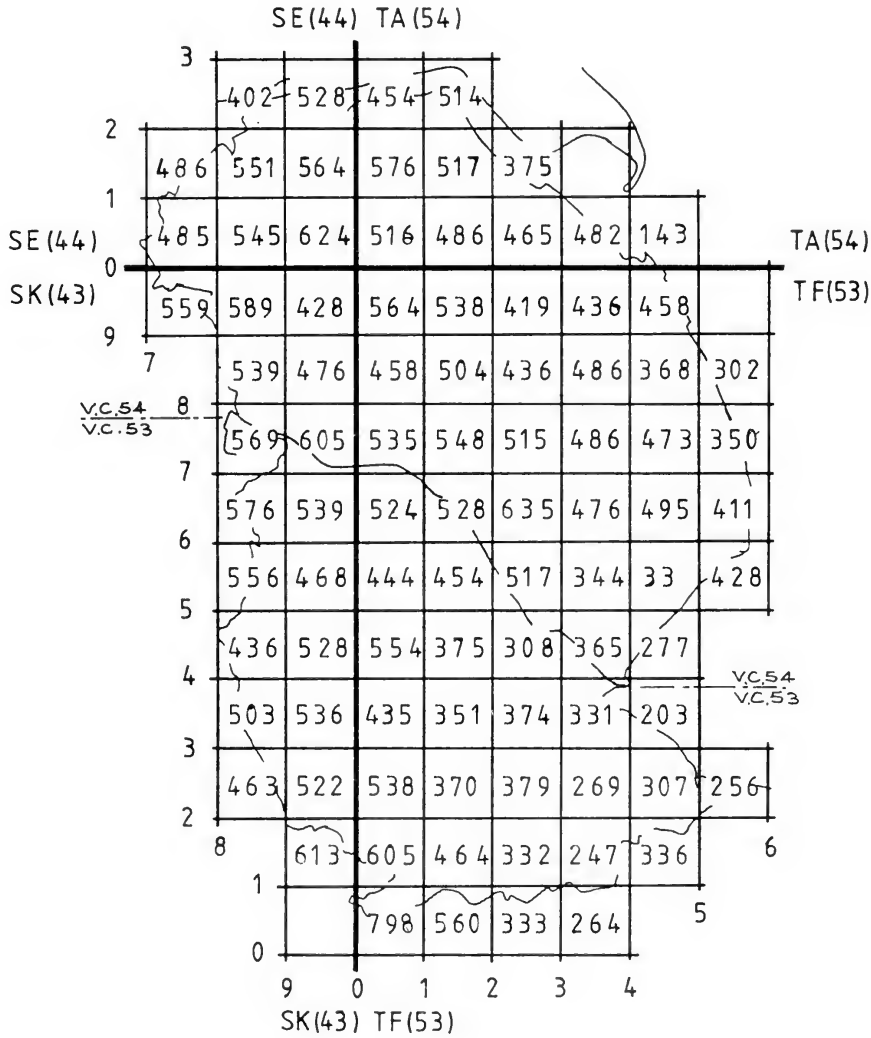
6, 1979, Riseholme, I.W. (Casual in carrots).
13. 1982, Washingborough, A. Binding. (Casual).

Setaria viridis (L.) Beauv.

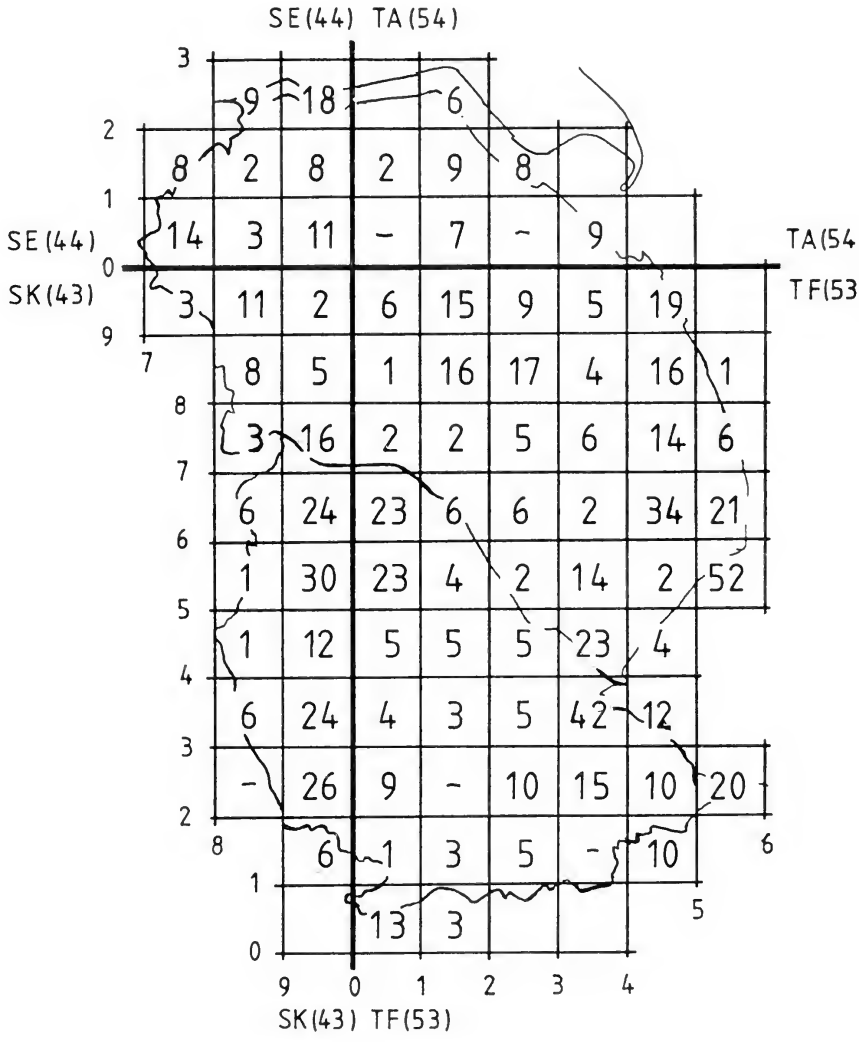
6. 1983, Bracebridge, E.V. Pennell.

Digitaria sanguinalis (L.) Scop.

6. 1979, Lincoln, F. Lammiman & I.W. (Casual on Woolworth's wall).



Number of species recorded by 1983/1984



New 10 km square records (1,103) for the period 1978-1982 sent to the Biological Records Centre

APPENDICES

p289 I First Records

278.2 Caucalis latifolia L.
c.1370. Friar Henry Daniel Herb MSS.
663.33 Carex lasiocarpa Ehrh.
Pre-1820, Scotton, J. Dickson, specimen herb. B.M.

p290 III A. Plants believed extinct

1.4 Lycopodium clavatum L. (1978) Extinct 1980.
113.8 Viola stagnina Kit. (1936)
125.1 Agrostemma githago L. Delete 1950, insert 1977.
192.1 Trifolium ornithopodioides L. (1897)
207.10 Lathyrus japonicus Willd. (1849)
319.7 Euphorbia platyphyllos L. (1962)
358.4 Vaccinium oxycoccus L. (1917)
432.1 Pedicularis palustris L. (1960)
640.3 Ophrys sphegodes Mill.

p291 III B. Plants not seen for some years; careful search might refind them.

2.1 Selaginella selaginoides (L.) Link.
Delete 1948, insert 1961. I.W.
98.2 Barbarea stricta, 1975 : 10. Tattershall, L.N.U.
167.1 Radiola linoides Roth. Add (1957)
277.2 Torilis arvensis (Huds.) Link. Delete.
279.1 Coriandrum sativum L. Delete: add to App. III C.

III C. Plants which have recently been re-recorded, some only fleetingly, which were previously believed extinct.

125.1 Agrostemma githago L. 1977
358.4 Vaccinium oxycoccus L. 1976. 1981.
279.1 Coriandrum sativum L. 1979.
277.2 Torilis arvensis (Huds.) Link. 1972.
372.4 Anagallis minima (L.) E.H.L. Krause. 1976.
597.1 Gagea lutea (L.) Ker-Gawl. 1973
625.3 Epipactis purpurata Sm. 1980.
641.1 Himantoglossum hircinum (L.) Spreng. 1981.

p291 IV Plants added to the County List.

22.3 Polystichum lonchitis (L.) Roth. Div. 2, 1977
237. Crassula helmzii Div. 15, 1981.
413.5 Solanum triflorum Nutt. Div. 9, 1977.
625. Epipactis hybrid? Div. 7, 1975.
625.5 Epipactis dunensis (T & T.A. Stephenson) Godfrey Div. 1, 1981
670.6 Festuca rubra L. subsp. pruinosa (Hackel) Piper. Div. 12, 1981.
670.11 Festuca guestifolia (Festuca longifolia auct-non Thuill) Div. 6, 1981.
673.5 Puccinellia rupestris (with) Fernald & Wetherby. Div. 17, 1974.

New for VC 54.

25.1 Polypodium vulgare L. ssp. interjectum Div. 9, 1981.
27.1 Azolla filiculoides Lam. Div. 6, 1977
372.4 Anagallis mimima (L.) E.H.L. Krause, Div. 10, 1976.
387.1 Nymphoides peltata (S.G.Gmel.) Kuntze, Div. 12, 1977.

New for VC 53.

579.1 Ruppia spiralis L. ex Dumont. Div. 17, 1974.
579.2 Ruppia maritima L. Div. 18, 1974.

p292 V Limits of distribution.

237.1 Crassula tillea L. - Garland. Now extinct.
625.3 Epipactis purpurata Sm. Record now confirmed

p293 VI Aliens
Section I

Abutilon theophrasti

2. 1975, Appleby, I.W.

Amsinckia intermedia

2. 1977, Holme, W. Heath.
1982, Messingham, I.W.
9. 1979, Somercotes, E.J.G., I.W.
10. 1979, Tattershall Thorpe, I.W. & Mrs. Z. Porter.
17. 1984, Boston, A. Binding.

Selanum cornutum Lam.

6. 1984, Reepham, N. Welsh.

Solanum triflorum

9. 1977, Donna Nook, P. Haywood.

p 297 Additions post-1935

Abutilon theophrastii

1975, Appleby, nr. Scunthorpe, I.W.
(Conf. D. McClintock).

Amsinckia intermedia Fisch & Mey

2. 1975, Holme Lane, W. Heath.
1982, Messingham Sand Quarries, I.W.
8. 1972, Burwell, I.W. 1st record.
Since 1972 has spread over many sandy areas.
9. 1977, North Somercotes, E.J.G., I.W.
10. 1976, Tattershall railway, I.W.
1977, Horncastle, N. Read.
1980, Tattershall, Lodge Pits, I.W.
13. 1977, Hatton, I.W.

Buplenpum falcatum
1979, Nettleham, W. Heath.

Digitaria sanguinatis
1979, Lincoln, F. Lammiman. (Conf. I.W.)

Solanum triflorum
1979, Donna Nook, P. Haywood.

Coriandum sativum
1979, Gibraltar Point, L. Ball.

Smyrnuem perfoliatum
1979, Waltham, K. & B. Watkinson.

Arum dracunculus
1981, Kirton. (Conf. E.J.G. & I.W.)

Cannabis sativa
1982, Ancaster High Dyke, L.V. Wilkin,
Ancaster, E.J.G. & I.W.

Datura fastuosa
1982, Toynton all Saints, Mrs. E.H. Rudkin.

Setaria verticillata
1982, Washingborough, A. Binding.

Cicurbita macrophylla
1983, Doddington, E.V. Pennell.

Chenopodium capitation
1983, Scothern, L. Ball.

Coronilla varia
1983, Waddinton. (Conf. of old record, I.W.)

Phalaris paradoxa
1983, Holbeach, I.W.

Setaria viridis
1983, Bracebridge, E.V. Pennell

p302 VII Fosill and Peat Records

Two papers are noted in relation to peat records.

S.M. Holland (1975)
Results of pollen analysis from Crosby Warren near Scunthorpe, dating the final clearance of the lime forest there to 335 ± 70 B.C.

J.R.A. Grieg (1982)
Clearance of the lime forest in relation to pollen diagrams from a kettlehole near round barrows of late Neolithic/early Bronze Age at Butterbump near Willoughby. Pollen analysis made by J.R.A. Grieg in 1979.

The lowest part of the diagram indicated a landscape covered by a mixed deciduous woodland predominantly lime with oak and elm, c. 5,000 years ago.

The middle part of the diagram shows a dramatic decrease in the amount of lime pollen, and also less pine and elm, but more pollen from pasture and herbaceous plants; the upper layers continued this trend.

Some woodland plants, such as elder, appeared throughout indicating a wetter part of the kettlehole.

ADDITIONAL APPENDICES

VIII A list of specimens taken from the herbarium in the British Museum collected by Sir Joseph Banks from Lincolnshire.

Hypericum elodes L.
Silene maritima With.
Silene noctiflora L.
Myosoton aquaticum (L.) Moench
Stellaria neglecta Weihe.
Salicornia perennis Mill.
Radiola linoides Roth.
Genista anglica L.
Limonium bellidiflorum (Gouan) Dum.

IX Red Data Book plants recorded from Lincolnshire (with most recent recorded date to 1984).

Equisetum ramosissimum Desf. 1984.
Viola persicifolia Schreb. = Viola stagnina. Extinct.
Agrostemma githago L. 1977.
Herniaria glabra L. 1984.
Halimione pedunculata (L.) Aell. Extinct.
Lythrum hyssopyfolia L. Extinct.
Petroselinum segetum (L.) Koch. 1981.
Selinum carvifolia (L.) L. Extinct.
Limonium bellidifolium (Gouan) Dumort. Extinct.
Armeria maritima subsp. elongata (Hoffin) Bonnier. 1984.
Rhinanthus serotinus Schonh.) Oborny Sched. Protected Plants. 1984.
Orobanche purpurea Jacq. 1984.
Stachys germanica L. Extinct.
Galeopsis segetum. Neck. Extinct.
Teucrium chamaedrys L. 1984.
Teucrium scordium L. Extinct.
Arnoseris minima (L.) Schweigg & Koerte. Extinct.
Senecio paludusus L. Extinct.
Senecio congestus (R. Br.) DC = Senecio palustris (L.) Hook. Extinct.
Hypochoeris maculata L. Extinct.
Alisma gramineum Lejeune Sched. protected Plants. 1972. (Extinct).
Damasonium alisma Mill. Extinct.
Scheuchzeria palustus L. (Peat remains). Extinct.
Maianthemum bifolium (L.) Schmidt 1984.
Luzula pallescens Sw. Extinct.
Iris spuria L.
Epipactis dunensis (T. & T.A. Stephenson) Godfrey 1984).
Himantoglossum hircinum (L.) Spreng.
Festuca longifolia Thuill. = F. caesia Sm. 1984.

Other Taxa mentioned in Red Data Book but not included in main list.

Pilularia globulifera L. 1984.
Daphne mezereum L. Casual. 1983.
Elodea nutallii 1982.
Festuca juncifolia 1979.
Lathyrus palustris L.
Linum perenne 1984.
Gentianella anglica (Pugsl. E.F. Warb.) 1984.
Marrubium vulgare L.
Sonchus palustris L. Extinct.
Nardurus maritimus 1982.
Ruppia spiralis 1984.
Stratiotes aloides. Extinct.
Tilia platyphyllos. Planted. 1984.
Vicia lutea. Casual.
Dianthus armeria. 1983.
Orchis ustulata. 1983.
Alopercurus bulbosus Gouan. Extinct.

LOCATION OF FIELD MEETINGS 1974-1984

From 1975 no numbers were assigned to meetings, but for convenience General Field Meetings and Fungus Forays have been numbered in chronological order.

1974

427	Moor Farm, Kirkby Moor NRs
428	Welton Wood
429	Miningsby
430	Acre House, Claxby
431	Little Scrubbs Meadow NR
432	Laughton Common
433	Wolla Bank, Huttoft
434	Twigmoor
435	Brumby & Sweeting Thorns (Fungus Foray)

1975

436	Scampton (Small Streams Survey)
437	Tattershall - Horncastle Canal & Railway line
438	Susworth
439	Clipsham Quarry
440	Bardney Forest
441	Byard's Leap
442	Risby Warren
443	Martin Wood and Timberland Delph
444	Norton Disney (Fungus Foray)

1976

445	Fotherby (Small Streams Survey)
446	Careby Wood
447	Skellingthorpe Woods
448	Risby Warren
449	Messingham Sand Quarries NR
450	Nocton Wood
451	Benington Marsh
452	Ponton Park Wood
453	Hoplands Wood NR (Fungus Foray)

1977

454	Sewstern Lane
455	New Park Wood, Austacre Wood
456	Grimsthorpe Park
457	Barton on Humber
458	'Spa Trail' Woodhall Spa - Horncastle
459	Horseshoe Point (Fungus Foray)

1978

460	Broughton Wood
461	Well Vale
462	Skellingthorpe Wood
463	Saltfleetby - Theddlethorpe NNR
464	Norton Disney
465	Kirkby Moor NR
466	Bourne Woods
467	Pickard's Wood, Willingham Forest (Fungus Foray)

1979

468	Edenham & Ingoldsby (Small Streams Survey)
469	Twigmoor Warren
470	Kirkby Moor NR
471	Snipe Dales NR
472	Irby Dales Wood
473	Great Scrubbs Wood
474	Holywell
475	Gedney Drove End
476	Burton on Stather
477	Roxton Woods (Fungus Foray)

1980

478	Tunmun Wood
479	Horsington
480	Haxey Railway Cutting NR
481	Elsea and Math Woods
482	Kirkby on Bain Pits
483	Burwell Woods
484	Colsterworth
485	Harsholme Country Park
486	Tattershall, Lodge Road Pits
487	Ancaster Sand Quarry
488	Wickenby Wood (Fungus Foray)

1981

489	Twigmoor Warren
490	Kirton Wood, Ropsley
491	Doddington Hall
492	Far North End Wood, Bullington
493	Haverholme Priory
494	Glen Valley (nr. Corby Glen)
495	Hartsholme Country Park
496	South Ferriby
497	Burwell Woods
498	Elliott's Wood, Birkholme
499	Hubbard's Hills, Louth
500	Callan's Lane Wood, Kirkby Underwood (Fungus Foray)

1982

501 Ancaster Valley NR & Copper Hill
502 Sotby Meadows NR
503 Donna Nook NR
504 Bardney Forest
505 Messingham Sand Quarries NR
506 Temple Wood, Aslackby
507 Wheelabout Wood, Mavis Enderby
508 Colsterworth
509 Sapperton & Pickworth Woods
510 Crowle Moors NR
511 Saltfleet
512 Stapleford Wood (Fungus Foray)

1983

513 Legsby Green Lanes, Cropper Gorse Plantation
514 Nettleton Top (Acre House Farm)
515 Stapleford Wood
516 Leverton Marsh
517 Twyford Forest
518 Welton Woods
519 Stainfield Wood, Bardney Forest
520 Woodnook Valley
521 Bain Valley
522 Ivy Wood, Bardney Forest (Fungus Foray)

1984

523 Auster Wood
524 Nettleton Quarry/Woods
525 Great West Wood, Goltho
526 Far Ings NR, Barton
527 Austacre Wood
528 Brocklesby, Mausoleum Woods
529 Syston Park
530 Nocton Wood
531 (Yorkshire)
532 St. Helen's & Troy Woods
(Fungus Foray)

BIBLIOGRAPHY

Additions p.310

GAME M. & PETERKEN G.F. Nature reserve selection strategies in Central Lincolnshire Woodlands, Biological Conservation 1984.

GIBBONS E.J. Botanical Reports Trans. LNU 1974-1982.

GIBBONS E.J. & WESTON I. Botanical Reports & Plant Notes Trans. LNU 1983-

GREIG J.R.A. Forest Clearance and the Barrow Builders at Butterbump, Lincolnshire (Pollen analysis of peat - Tilia cordata) Lincs. Hist. & Arch. 17, 11-14, 1982.

GREIG J.R.A. 'Past and Present Lime Woods in Europe' in (ed) M. Bell & S. Limbrey: Ecological Aspects of Woodland Ecology, Symposia of the Association for Environmental Archaeology 3. British Archaeological Reports (International Series). Oxford, in press.

HILL D.S. Annotated Checklist of the Flora of Fauna of Gibraltar Point. (L&SHTNC 1984)

HOLLAND S.M. Pollen Analytical Investigations at Grosby Warren, Lincolnshire, in the Vicinity of the Iron Age & Romano-British Settlement at Dragonby. Journ. Archaeol. Science 2, 353-364, 1975.

HOUGHTON H.J. Naturalists' Directory of Lincolnshire and South Humberside (LNU 1983)

LINCOLNSHIRE & SOUTH HUMBERSIDE TRUST FOR NATURE CONSERVATION
Nature Reserves Handbook 2nd ed. 1981
Lapwings newsletter, Spring and Autumn.

MACMILLAN Guide to Britain's Nature Reserves. Lincolnshire & South Humberside 278-291. (London 1984)

NATIONAL ENVIRONMENT RESEARCH COUNCIL. The Ecology of the Wash. (Publications Series C No. 15) 1976.

PETERKEN G.F. Conservation Coppicing - a preliminary report. Monks Wood Experimental Station, 1972.
Indicator Species for Site Assessment, Biological Conservation, 1974.
Long-term Woodland Changes, Journ. Ecology, 1976.
Woodland Conservation and Management (London 1981)
Wood Anemone in Central Lincolnshire - an ancient woodland indicator ? Trans. LNU 20, 2, 78-82, 1981
Wild Service Tree in Central Lincolnshire, Trans. LNU 20, 5, 158-162, 1983.

PETERKEN G.F. & GAME M. Historical factors affecting the distribution of Mercuralis perennis in Central Lincolnshire, Journ. Ecology 69, 781-796, 1981.

PETERKEN G.F. & GAME M. Historical factors affecting the number and distribution of vascular plant species in the woodlands of Central Lincolnshire, Journ. Ecology, 72, 1984.

PETERKEN G.F. & HARDING P.F. Woodland Changes. Biological Conservation 1975

ROBINSON D.N. 'The Buried Forest in Lincolnshire' in A Prospect of Lincolnshire ed. N. Field and A. White. 6-10, 1984.

REDSHAW E.J. (ed) Conservation Management 1-6, 1979-1984 (L&SHTNC)

SARGENT C. Britain's Railway Vegetation. Institute Terrestrial Ecology, 1984.

SMITH A.G. Post-glacial deposits in South Yorkshire & North Lincolnshire New Phytologist 57, 19-49, 1958.

TRINDER G.L. Meadow Rarities under Threat, Lincs. Life 22, 3, 39, 1982.
Wild flowers of Spring, Lincs. Life 23, 1, 40, 1983.
Wetlands under Threat, Lincs. Life 23, 12, 43, 1984.
Bee orchid - a scarce beauty, Lincs. Life 24, 3, 28, 1984.

WELLS T.C.E. & SHEIAL J. The Marchioness of Huntly's Botanical Records for Lincolnshire (VC 54 & 53) Trans. LNU 19, 4, 190-192, 1979.

WESTON I. A variant of Dactylorhiza fuchsii in North Lincolnshire - exhibition report Watsonia 12, 4, 399, 1979.
A Lincolnshire Epipactis - exhibition report Watsonia 14, 4, 457, 1983.
'Sand Dune Vegetation' in Conservation Management (L&SHTNC) 5, 4-7, 1983.
'The Flora of Lincolnshire & South Humberside' in The Butterflies & Larger Moths of Lincolnshire & South Humberside - J. Duddington & R. Johnson, 26-35, 1983.

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